

1978
CAPRICE
RESTORATION
PACKAGE

General Motors

Passenger Car 1978

VIN System



Guardian
Maintenance

1978 PASSENGER VIN SYSTEM

TRUCK VIN DATA ... on reverse side

TYPICAL VIN
1N1G191R181S110101011
MAY BE PRESENT, NOT PART OF VIN
DIVISION CODE SERIES BODY ENGINE LAST DIGIT PLANT PRODUCTION
TYPE CODE OF MODEL YEAR CODE SEQUENCE NUMBER

1—Chevrolet
2—Pontiac
3—Oldsmobile
4—Buick
5—GMC Truck
6—Cadillac
7—GM of Canada
8—GM Overseas
9—GM Overseas
0—GM Overseas

1 DIVISION CODE

1—Chevrolet
2—Pontiac
3—Oldsmobile
4—Buick
5—GMC Truck
6—Cadillac
7—GM of Canada
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0—GM Overseas

2 CARLINE SERIES

CHEVROLET	PONTIAC	OLDSMOBILE	BUICK	CADILLAC
B—Chevette	D—LeMans	D—Omega	B—Skylark	B—Fleetwood
J—Chevette Scooter	E—Sunbird	D—Sterling SX	C—Skylark Custom	Brougham
K—Bel Air	F—Grand Am	G—Omega Brougham	E—Century Special	D—Diplôme
(Canada only)	G—Grand Prix	H—Cortina Sedan	F—LeSabre Sport Coupe	F—Fleetwood Limo
L—Impala	H—Grand Prix SJ	J—Cortina Cruiser	G—Century Sport Coupe	L—Eldorado
M—Monte Carlo	I—Grand Prix	K—Cortina Saloon	H—Century Custom	S—Seville
N—Caprice Classic	J—Grand Prix LJ	L—Cortina	K—Regal Sport Coupe	Z—Commercial Chassis
Q—Camaro	K—Catalina	M—Sunbird Sport	L—Cortina Limited	
R—Monza 2+2	L—Bonneville	N—Bonneville	M—Regal Limited	
S—Monza Sport	M—Bonneville	O—Bonneville	N—LeSabre Custom	GMC TRUCK & COACH
T—Malibu	N—Bonneville	P—Bonneville	R—Estate Wagon	W—Cavaliero
W—Malibu Classic	O—Bonneville	Q—Bonneville	S—Skylark	
X—Nova	P—Bonneville	R—Bonneville	T—Skylark S	
Y—Nova Custom	Q—Bonneville	S—Bonneville	T—Opel	
Z—Corvette	R—Bonneville	T—Bonneville	U—Electra Park Avenue	GM CANADA ONLY
Z—Monte Carlo	S—Bonneville	U—Bonneville	V—Electra 225	B—Acadian
	T—Bonneville	V—Bonneville	W—Skylark 'S'	J—Acadian S
	U—Bonneville	W—Bonneville	X—Electra Limited	K—Laurentian
	V—Bonneville	X—Bonneville	Y—Opel Deluxe	N—Parisienne
	W—Bonneville	Y—Bonneville	Z—Riviera	
	X—Bonneville	Z—Bonneville		
	Y—Bonneville			
	Z—Bonneville			

3 4 BODY STYLE

07—Coupe-2 Door Special Hatchback	17—Coupe-2 Door Hatchback	35—Sedan-4 Door	58—Sedan-4 Door Hatchback
08—Coupe-2 Door Hatchback	18—Sedan-4 Door Hatchback	36—Coupe-2 Door Hatchback	59—Sedan-4 Door Hatchback
09—Sedan-4 Door Plainback	19—Sedan-4 Door Hatchback	37—Coupe-2 Door Hatchback	60—Sedan-4 Door Hatchback
10—Coupe-2 Door Sport	20—Coupe-2 Door Hatchback	38—Coupe-2 Door Hatchback	61—Sedan-4 Door Hatchback
11—Sedan-4 Door-2 Seat	21—Coupe-2 Door Hatchback	39—Coupe-2 Door Hatchback	62—Sedan-4 Door Hatchback
12—Sedan-4 Door-2 Seat	22—Coupe-2 Door Hatchback	40—Coupe-2 Door Hatchback	63—Sedan-4 Door Hatchback
13—Sedan-4 Door-2 Seat	23—Coupe-2 Door Hatchback	41—Coupe-2 Door Hatchback	64—Sedan-4 Door Hatchback
14—Sedan-4 Door-2 Seat	24—Coupe-2 Door Hatchback	42—Coupe-2 Door Hatchback	65—Sedan-4 Door Hatchback
15—Sedan-4 Door-2 Seat	25—Coupe-2 Door Hatchback	43—Coupe-2 Door Hatchback	66—Sedan-4 Door Hatchback
16—Sedan-4 Door-2 Seat	26—Coupe-2 Door Hatchback	44—Coupe-2 Door Hatchback	67—Sedan-4 Door Hatchback
17—Coupe-2 Door-2 Seat	27—Coupe-2 Door Hatchback	45—Coupe-2 Door Hatchback	68—Sedan-4 Door Hatchback
18—Coupe-2 Door-2 Seat	28—Coupe-2 Door Hatchback	46—Coupe-2 Door Hatchback	69—Sedan-4 Door Hatchback
19—Coupe-2 Door-2 Seat	29—Coupe-2 Door Hatchback	47—Coupe-2 Door Hatchback	70—Sedan-4 Door Hatchback
20—Coupe-2 Door-2 Seat	30—Coupe-2 Door Hatchback	48—Coupe-2 Door Hatchback	71—Sedan-4 Door Hatchback
21—Coupe-2 Door-2 Seat	31—Coupe-2 Door Hatchback	49—Coupe-2 Door Hatchback	72—Sedan-4 Door Hatchback
22—Coupe-2 Door-2 Seat	32—Coupe-2 Door Hatchback	50—Coupe-2 Door Hatchback	73—Sedan-4 Door Hatchback
23—Coupe-2 Door-2 Seat	33—Coupe-2 Door Hatchback	51—Coupe-2 Door Hatchback	74—Sedan-4 Door Hatchback
24—Coupe-2 Door-2 Seat	34—Coupe-2 Door Hatchback	52—Coupe-2 Door Hatchback	75—Sedan-4 Door Hatchback
25—Coupe-2 Door-2 Seat	35—Coupe-2 Door Hatchback	53—Coupe-2 Door Hatchback	76—Sedan-4 Door Hatchback
26—Coupe-2 Door-2 Seat	36—Coupe-2 Door Hatchback	54—Coupe-2 Door Hatchback	77—Sedan-4 Door Hatchback
27—Coupe-2 Door-2 Seat	37—Coupe-2 Door Hatchback	55—Coupe-2 Door Hatchback	78—Sedan-4 Door Hatchback
28—Coupe-2 Door-2 Seat	38—Coupe-2 Door Hatchback	56—Coupe-2 Door Hatchback	79—Sedan-4 Door Hatchback
29—Coupe-2 Door-2 Seat	39—Coupe-2 Door Hatchback	57—Coupe-2 Door Hatchback	80—Sedan-4 Door Hatchback
30—Coupe-2 Door-2 Seat	40—Coupe-2 Door Hatchback	58—Coupe-2 Door Hatchback	81—Sedan-4 Door Hatchback
31—Coupe-2 Door-2 Seat	41—Coupe-2 Door Hatchback	59—Coupe-2 Door Hatchback	82—Sedan-4 Door Hatchback
32—Coupe-2 Door-2 Seat	42—Coupe-2 Door Hatchback	60—Coupe-2 Door Hatchback	83—Sedan-4 Door Hatchback
33—Coupe-2 Door-2 Seat	43—Coupe-2 Door Hatchback	61—Coupe-2 Door Hatchback	84—Sedan-4 Door Hatchback
34—Coupe-2 Door-2 Seat	44—Coupe-2 Door Hatchback	62—Coupe-2 Door Hatchback	85—Sedan-4 Door Hatchback
35—Coupe-2 Door-2 Seat	45—Coupe-2 Door Hatchback	63—Coupe-2 Door Hatchback	86—Sedan-4 Door Hatchback
36—Coupe-2 Door-2 Seat	46—Coupe-2 Door Hatchback	64—Coupe-2 Door Hatchback	87—Sedan-4 Door Hatchback
37—Coupe-2 Door-2 Seat	47—Coupe-2 Door Hatchback	65—Coupe-2 Door Hatchback	88—Sedan-4 Door Hatchback
38—Coupe-2 Door-2 Seat	48—Coupe-2 Door Hatchback	66—Coupe-2 Door Hatchback	89—Sedan-4 Door Hatchback
39—Coupe-2 Door-2 Seat	49—Coupe-2 Door Hatchback	67—Coupe-2 Door Hatchback	90—Sedan-4 Door Hatchback
40—Coupe-2 Door-2 Seat	50—Coupe-2 Door Hatchback	68—Coupe-2 Door Hatchback	91—Sedan-4 Door Hatchback
41—Coupe-2 Door-2 Seat	51—Coupe-2 Door Hatchback	69—Coupe-2 Door Hatchback	92—Sedan-4 Door Hatchback
42—Coupe-2 Door-2 Seat	52—Coupe-2 Door Hatchback	70—Coupe-2 Door Hatchback	93—Sedan-4 Door Hatchback
43—Coupe-2 Door-2 Seat	53—Coupe-2 Door Hatchback	71—Coupe-2 Door Hatchback	94—Sedan-4 Door Hatchback
44—Coupe-2 Door-2 Seat	54—Coupe-2 Door Hatchback	72—Coupe-2 Door Hatchback	95—Sedan-4 Door Hatchback
45—Coupe-2 Door-2 Seat	55—Coupe-2 Door Hatchback	73—Coupe-2 Door Hatchback	96—Sedan-4 Door Hatchback
46—Coupe-2 Door-2 Seat	56—Coupe-2 Door Hatchback	74—Coupe-2 Door Hatchback	97—Sedan-4 Door Hatchback
47—Coupe-2 Door-2 Seat	57—Coupe-2 Door Hatchback	75—Coupe-2 Door Hatchback	98—Sedan-4 Door Hatchback
48—Coupe-2 Door-2 Seat	58—Coupe-2 Door Hatchback	76—Coupe-2 Door Hatchback	99—Sedan-4 Door Hatchback
49—Coupe-2 Door-2 Seat	59—Coupe-2 Door Hatchback	77—Coupe-2 Door Hatchback	100—Sedan-4 Door Hatchback

5 PASSENGER ENGINE CODES

CODE	A	B	C	D	E	F	G	H	J	K	L	M	N
DISP (Cu. In. or L.)	231	111	350	3.2L	250	1.6L	260	3.8L	305	1.6L	403	350	3.3L 5.7L
CARB	288L	288L	EFI	288L	188L	188L	288L	288L	188L	288L	488L	488L	288L
DIVISION USAGE	2.3, 4.5	4	6	1.4	1.2, 1.7	1.7	3	4	1.2, 3.4	1.7	2.3, 4.5	1.5, 2*	3.6
PRODUCING DIVISION	4	**	6	4	1	1	3	4	1	1	3	1, 7	1
CODE	R	S	T	U	V	W	X	Y	Z	1	2	3	4
DISP (Cu. In. or L.)	350	425	425	305	151	301	350	301	400	151	231	3.8 L	350
CARB	488L	488L	EFI	288L	288L	488L	288L	288L	488L	288L	288L	488L	488L
DIVISION USAGE	2.3, 4	6	6	1.2, 3.4	1.2, 3	2	2.4	2.4	2	2	1.2, 3	4	4
PRODUCING DIVISION	3	6	6	1, 7	2	2	4	2	2	2	2	4	1

**Manufactured by Isuzu Motors Ltd.

* Opel Isuzu Only

7 PLANT CODE

A—Lakewood	GA	G—Framingham	MA	N—Norwood	OH	U—Lordstown	OH	1—Oshawa	Ont.
B—Baltimore	MD	M—Flint(Buick)	MI	P—Pontiac(Pont)	MI	V—Pontiac(GMC)	MI	2—St. Therese	PO
C—Southgate	CA	J—Janesville	WI	Q—Detroit	MI	W—Willow Run	MI	3—Detroit	MI
D—Oshawa	GA	K—Leeds	MO	R—Arlington	TX	X—Ft. Worth	TX	4—Scarborough	Ont.
E—Linden	NJ	L—Van Nuys	CA	S—St. Louis	MO	Y—Wilmington	DE	5—Ft. Worth	MI
F—Flint(Chev)	MI	M—Lansing	MI	T—Tarrytown	NY	Z—Framont	CA	6—Ft. Worth	MI

The information shown is correct at time of printing, but may be changed during model year.

ALPHABETICAL OPTION INDEX

(Not for Ordering Purposes)

Option Number	Description	Option Number	Description
AK1	BELTS, DELUXE: Color-Keyed Seat and Shoulder	OBW	TIRES: FR78-15/B Blackwall (Radial)
A04	3-SEAT WAGON (Model Option)	OBW	TIRES: FR78-15/B White Stripe (Radial)
A03	DOOR LOCK SYSTEM, POWER	OCX	TIRES: GR70-15/B White Stripe (Radial)
A01	GLASS, SOFT-RAY TINTED: All Windows	ODR	TIRES: GR78-15/B White Stripe (Radial)
A31	WINDOWS: Power	ODU	TIRES: GR78-15/B Blackwall (Radial)
A42	SEAT, POWER: Six-Way	OEL	TIRES: HR78-15/B White Stripe (Radial)
A90	TRUNK OPENER, POWER	OKA	TIRES: FR78-15/B Blackwall (Radial)
BC5	FLOOR COVERING: Carpeting, Deluxe Cargo Area	OKB	TIRES: FR78-15/B White Stripe (Radial)
RS1	QUIET SOUND GROUP	OKM	TIRES: FR78-15/B Blackwall (Radial)
BX3	ESTATE EQUIPMENT	OKN	TIRES: FR78-15/B White Stripe (Radial)
B10	TAILGATE LOCK, POWER	OMK	TIRES: GR78-15/B White Stripe (Radial)
B37	FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear	UA1	BATTERY, HEAVY-DUTY
B39	FLOOR COVERING: Carpeting, Deluxe Load Floor	UE8	CLOCK: Digital
B48	LUGGAGE COMPARTMENT TRIM, DELUXE	UF7	ECONOMIZER GAGE PACKAGE
B94	MOLDINGS: Body Side	UM1	RADIO EQUIPMENT: Stereo Tape System w/AM Radio
B93	MOLDINGS: Door Edge Guard	UM2	RADIO EQUIPMENT: Stereo Tape System w/AM/FM Stereo Radio
B96	MOLDINGS: Wheel Opening	UP5	RADIO EQUIPMENT: AM/FM Citizens Band Radio and Power Antenna
CA1	SKY ROOF, POWER	UX6	RADIO EQUIPMENT: Speakers, Dual Front
CD4	WINDSHIELD WIPER EQUIPMENT: Intermittent System	U05	HORNS, DUAL
C49	DEFOGGER, REAR WINDOW: Electro-Clear	U35	CLOCK: Electric
C50	DEFOGGER, REAR WINDOW: Forced Air	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
C60	AIR CONDITIONING: Four-Season	U63	RADIO EQUIPMENT: AM Radio
C61	AIR CONDITIONING: Comfortron	U69	RADIO EQUIPMENT: AM/FM Radio
C63	MIRRORS: Outside Rearview, LH and RH Remote	U75	RADIO EQUIPMENT: Power Antenna
D24	CONTAINER, LITTER	U76	RADIO EQUIPMENT: Windshield Antenna
D33	MIRROR: Outside Rearview, LH Remote	U30	RADIO EQUIPMENT: Speaker, Rear Seat
D34	MIRROR: Visor Vanity	VE5	BUMPER EQUIPMENT: Bumper Rub Strips
D35	MIRRORS: Sport, LH Remote and RH Manual	V01	RADIATOR, HEAVY-DUTY
D64	MIRROR: Visor Vanity, Illuminated	V30	BUMPER EQUIPMENT: Guards, Bumper, Front and Rear
D63	MIRRORS: Sport, Twin Remote	V55	CARRIER, ROOF
D34	PAINT: Custom Two-Tone	YF5	EMISSION SYSTEMS: California Emission Requirements
D95	STRIPING, BIV: Body Side	ZJ9	LIGHTING, AUXILIARY
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear	ZP2	EXTERIOR/INTERIOR OVERRIDE
F41	SUSPENSION EQUIPMENT: Suspension, Sport	ZX5	VALUE APPEARANCE GROUP
G66	SUSPENSION EQUIPMENT: Shock Absorbers, Superlift Rear	Z03	LANDAU (Model Option)
G80	AXLE, REAR: Positraction	11A	STRIPING: White
G92	AXLE, REAR: Performance Ratio	13A	STRIPING: Silver
K30	SPEED CONTROL: Cruise-Master	19A	STRIPING: Black
K76	GENERATOR: 61-Amp Delcotron	27A	STRIPING: Light Blue
L03	ENGINE: 305 Cu. In. V8	49A	STRIPING: Light Green
LM1	ENGINE: 350 Cu. In. V8	54A	STRIPING: Gold
L22	ENGINE: 250 Cu. In. L6	75A	STRIPING: Red
NA2	EMISSION SYSTEMS: Standard Emission Equipment	95A	STRIPING: Buckskin
NA6	EMISSION SYSTEMS: High Altitude Emission Equipment	190	MOLDINGS: Black
		220	MOLDINGS: Light Blue
		440	MOLDINGS: Light Green
		610	MOLDINGS: Light Camel
		790	MOLDINGS: Dark Carmine

Blue, Light (Met)	20	Rec: 11, 21, 22 or 29	Acc: 11, 19, or 67
Camel, Light (Met)	22	Rec: 61, 63 or 69	Acc: 77
Carline, Dark (Met)	24	Rec: 79	Acc: 19
Green, Light (Met)	25	Rec: 11, 44 or 45	Acc: 77
Silver	26	Rec: 15 or 19	Acc: 77
White	27	Rec: All except 15, 61, 69 or 79	Acc: 15, 61, 69 or 79

Rec = Recommended; Acc = Acceptable

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. CAUTION: Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

Seat, Headliner and Door Trim Color	Black	Blue	Camel	Car-mine	Green	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Camel	Car-mine	Green	Black	Blue	Car-mine	White Green Saf-ron

Model Seat Type

18N69	Knit Cloth Bench	PBB1	PDD1	PCC1	PRR1	PGG1
	Knit Cloth 50/50	PBB3	PDD3	PCC3	PRR3	
	Vinyl Bench		VDD1	VCC1	VRR1	
	Vinyl 50/50		VDD3	VCC3	VRR3	
18J47	Special Custom Cloth 50/50		LDD3	LCC3	LRR3	LG63
	Knit Cloth Bench	PBB1	PDD1	PCC1	PRR1	PGG1
	Knit Cloth 50/50	PBB3	PDD3	PCC3	PRR3	
	Vinyl Bench		VDD1	VCC1	VRR1	VWG1
	Vinyl 50/50		VDD3	VCC3	VRR3	VWG3
	Special Custom Cloth 50/50		LDD3	LCC3	LRR3	LG53

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint	Color Code			L U T								
Black	19	19	-	R	A	R	R	A	R	R	R	R
Blue, Dark (Met)	20	20	22	A	R	A						
Blue, Light (Met)	22	22	11	A	R							
Blue, Light	21	21	-	A	R							
Camel (Met)	63	63	11	A		R						
Camel, Dark (Met)	69	69	61	A		R						
Camel, Light	61	61	-	R		A						
Carline (Met)	77	77	11	A		R						
Carline, Dark (Met)	79	79	-	A		R						
Green, Light (Met)	44	44	11	A		A						
Green, Medium (Met)	45	45	44	A		A						
Saffron (Met)	67	67	-	R		A						
Silver	15	15	-	R		A						
White	11	11	-	R		R						

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint	Color Code			L U V								
Blue, Light (Met)	22	22	DD	A	R							
Camel, Light	61	61	CC	A		R						
Carline, Dark (Met)	79	79	RR	A		R						
Green, Light (Met)	44	44	GG	A		A						
Silver	15	15	QQ	R		R						

L=Lower U=Upper V=Vinyl Roof

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION		2.41	AXLE RATIO	2.73	3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION					
L22	-	-	Std	-	-
LG3	Std	-	-	-	-
LM1	Std	-	-	G92	-
WITH YF5 CALIFORNIA					
L22	-	-	Std	-	-

VE5 --Bumper Rub Strips

402 UE8 CLOCK: Digital

C50 -- Forced Air (N/A Special Custom Tr

491 AU3 DOOR LOCK SYSTEM, POWER

403 UF7 ECONOMY UNDER GAGE PACKAGE

EMISSION SYSTEMS: (MUST ORDER ONLY)
(See Power Teams Chart)

YF5 --California Emission Requirements
(See Lower Teams Chart)

401 **--Standard Emission Equipment**
R37 FLOOR COVERING: Mats, Color-Reseed E

Front and Rear

4000 A71 GLASS, SOFT-RAY TINTED: ALL WINDOWS

401 ZJ9 LIGHTING, AUXILIARY

404 B43 LUGGAGE COMPARTMENT TPIH, DELUXE

MIRRORS:

Landau)

D68 --Sport, Twin Remote
D35 --Sport, LH Remote and RH Manual (1
w/703 Landau)

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400  ---MOLDINGS:
400  R34  --Body Side (Color Keyed)
400  R93  --Door Edge Guard
400  PAINT: CUSTOM TWO-TONE: (1/A Z03 La
400  (Refer Page 2 for Exterior Paint
400  availability and Page 10 for Acces
400  Color)
400  V01  RADIO/REAR, HEAVY-DUTY
400  ---RADIO EQUIPMENT:
400  U63  --AM Radio
400  U69  --AM/FM Radio
400  U58  --AM/FM Stereo Radio
400  U51  --Stereo Tape System w/AM Radio
400  UH2  --Stereo Tape System w/AM/FM Stereo
400  UP5  --AM/FM Citizens Band Radio and Pow
400  nna (Reqs U80 Speaker)
400  U80  --Speaker, Rear Seat (Reqs U63, U65
400  Radio)
400  UX6  --Speakers, Dual Front (Reqs U63, U
400  U55 Radio) (Incl w/U59, U61 or UH
400  U76  --Windshield Antenna (1/A U75 Radio
400  w/above Radio Equip) (w/U75 Radio

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404		--Power Antenna (Reqs W76, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100, W101, W102, W103, W104, W105, W106, W107, W108, W109, W110, W111, W112, W113, W114, W115, W116, W117, W118, W119, W120, W121, W122, W123, W124, W125, W126, W127, W128, W129, W130, W131, W132, W133, W134, W135, W136, W137, W138, W139, W140, W141, W142, W143, W144, W145, W146, W147, W148, W149, W150, W151, W152, W153, W154, W155, W156, W157, W158, W159, W160, W161, W162, W163, W164, W165, W166, W167, W168, W169, W170, W171, W172, W173, W174, W175, W176, W177, W178, W179, W180, W181, W182, W183, W184, W185, W186, W187, W188, W189, W190, W191, W192, W193, W194, W195, W196, W197, W198, W199, W200, W201, W202, W203, W204, W205, W206, W207, W208, W209, W210, W211, W212, W213, W214, W215, W216, W217, W218, W219, W220, W221, W222, W223, W224, W225, W226, W227, W228, W229, W230, W231, W232, W233, W234, W235, W236, W237, W238, W239, W240, W241, W242, W243, W244, W245, W246, W247, W248, W249, W250, W251, W252, W253, W254, W255, W256, W257, W258, W259, W260, W261, W262, W263, W264, W265, W266, W267, W268, W269, W270, W271, W272, W273, W274, W275, W276, W277, W278, W279, W280, W281, W282, W283, W284, W285, W286, W287, W288, W289, W290, W291, W292, W293, W294, W295, W296, W297, W298, W299, W300, W301, W302, W303, W304, W305, W306, W307, W308, W309, W310, W311, W312, W313, W314, W315, W316, W317, W318, W319, W320, W321, W322, W323, W324, W325, W326, W327, W328, W329, W330, W331, W332, W333, W334, W335, W336, W337, W338, W339, W340, W341, W342, W343, W344, W345, W346, W347, W348, W349, W350, W351, W352, W353, W354, W355, W356, W357, W358, W359, W360, W361, W362, W363, W364, W365, W366, W367, W368, W369, W370, W371, W372, W373, W374, W375, W376, W377, W378, W379, W380, W381, W382, W383, W384, W385, W386, W387, W388, W389, W390, W391, W392, W393, W394, W395, W396, W397, W398, W399, W400, W401, W402, W403, W404, W405, W406, W407, W408, W409, W410, W411, W412, W413, W414, W415, W416, W417, W418, W419, W420, W421, W422, W423, W424, W425, W426, W427, W428, W429, W430, W431, W432, W433, W434, W435, W436, W437, W438, W439, W440, W441, W442, W443, W444, W445, W446, W447, W448, W449, W450, W451, W452, W453, W454, W455, W456, W457, W458, W459, W460, W461, W462, W463, W464, W465, W466, W467, W468, W469, W470, W471, W472, W473, W474, W475, W476, W477, W478, W479, W480, W481, W482, W483, W484, W485, W486, W487, W488, W489, W490, W491, W492, W493, W494, W495, W496, W497, W498, W499, W500, W501, W502, W503, W504, W505, W506, W507, W508, W509, W510, W511, W512, W513, W514, W515, W516, W517, W518, W519, W520, W521, W522, W523, W524, W525, W526, W527, W528, W529, W530, W531, W532, W533, W534, W535, W536, W537, W538, W539, W540, W541, W542, W543, W544, W545, W546, W547, W548, W549, W550, W551, W552, W553, W554, W555, W556, W557, W558, W559, W560, W561, W562, W563, W564, W565, W566, W567, W568, W569, W570, W571, W572, W573, W574, W575, W576, W577, W578, W579, W580, W581, W582, W583, W584, W585, W586, W587, W588, W589, W590, W591, W592, W593, W594, W595, W596, W597, W598, W599, W600, W601, W602, W603, W604, W605, W606, W607, W608, W609, W610, W611, W612, W613, W614, W615, W616, W617, W618, W619, W620, W621, W622, W623, W624, W625, W626, W627, W628, W629, W630, W631, W632, W633, W634, W635, W636, W637, W638, W639, W640, W641, W642, W643, W644, W645, W646, W647, W648, W649, W650, W651, W652, W653, W654, W655, W656, W657, W658, W659, W660, W661, W662, W663, W664, W665, W666, W667, W668, W669, W670, W671, W672, W673, W674, W675, W676, W677, W678, W679, W680, W681, W682, W683, W684, W685, W686, W687, W688, W689, W690, W691, W692, W693, W694, W695, W696, W697, W698, W699, W700, W701, W702, W703, W704, W705, W706, W707, W708, W709, W710, W711, W712, W713, W714, W715, W716, W717, W718, W719, W720, W721, W722, W723, W724, W725, W726, W727, W728, W729, W730, W731, W732, W733, W734, W735, W736, W737, W738, W739, W740, W741, W742, W743, W744, W745, W746, W747, W748, W749, W750, W751, W752, W753, W754, W755, W756, W757, W758, W759, W760, W761, W762, W763, W764, W765, W766, W767, W768, W769, W770, W771, W772, W773, W774, W775, W776, W777, W778, W779, W780, W781, W782, W783, W784, W785, W786, W787, W788, W789, W790, W791, W792, W793, W794, W795, W796, W797, W798, W799, W800, W801, W802, W803, W804, W805, W806, W807, W808, W809, W810, W811, W812, W813, W814, W815, W816, W817, W818, W819, W820, W821, W822, W823, W824, W825, W826, W827, W828, W829, W830, W831, W832, W833, W834, W835, W836, W837, W838, W839, W840, W841, W842, W843, W844, W845, W846, W847, W848, W849, W850, W851, W852, W853, W854, W855, W856, W857, W858, W859, W860, W861, W862, W863, W864, W865, W866, W867, W868, W869, W870, W871, W872, W873, W874, W875, W876, W877, W878, W879, W880, W881, W882, W883, W884, W885, W886, W887, W888, W889, W890, W891, W892, W893, W894, W895,
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QKA	---FR78	B/W	(Reqs YF5	Calif	Emissio
400	---	---	---	---	---
QKB	---FR78	W/S	(Reqs YF5	Calif	Emissio
400	---	---	---	---	---

UCX ---GR711 W/S (PB2 Wheel Covers or 2
Rear EA1 Sues)

ODR ---GR78 W/S (N/A YF5 Calif emissio

QMK ---GR78 W/S (Reqs YF5 Calif Emissi
A90 TRUNK OPENER, POWER
PR2 WHEEL TRIM, Wheel Covers Sport (N

433 432 431 430 429 428 427 426 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403 402 401 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378 377 376 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328 327 326 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303 302 301 300 299 298 297 296 295 294 293 292 291 290 289 288 287 286 285 284 283 282 281 280 279 278 277 276 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253 252 251 250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

433 432 431 430 429 428 427 426 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403 402 401 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378 377 376 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353 352 351 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328 327 326 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303 302 301 300 299 298 297 296 295 294 293 292 291 290 289 288 287 286 285 284 283 282 281 280 279 278 277 276 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253 252 251 250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

AVAILABLE WITH NA2 STANDARD EMISSION EQUIPMENT
L22 250 Cu. In. L6
L63 305 Cu. In. V8
LM1 350 Cu. In. V8

AVAILABLE WITH NA6 HIGH ALTITUDE EMISSION EQUIPMENT
(Recommended Above 4000 Foot Altitude)
LM1 350 Cu. In. V8

CALIFORNIA REGISTRATION (REQS YF5)

L22 250 Cu. In. L6
L63 305 Cu. In. V8
LM1 350 Cu. In. V8

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED 4 4 4 4 4
YOU MUST "PLUS" ANOTHER TIRE OPTION. 3 3 3 3 3
0 1 2 3 4 B B B B B

Glass, Soft-Ray Tinted A01 X X X X X
Tires, FR78-15/B White Stripe QBW X X X X X
(QKB w/YF5 Calif) C60 X X X X X
Air Conditioning, Four-Season C60 X X X X X
Mirror, LH Remote
(w/o Z03 Landau)
Radio, AM
Value Appearance Group ZX5 X X X X X
(w/o Z03 Landau) B37 X X X X X
Mats, Color-Keyed Floor AK1 X X X X X
Belts, Deluxe B93 X X X X X
Moldings, Door Edge Guard V30 X X X X X
Guards, Bumper K30 X X X X X
Speed Control (w/V8 Eng only) U80 X X X X X
Speaker, Rear Seat U69 X X X X X
Radio, AM/FM N33 X X X X X
Steering Wheel, Comfortilt U35 X X X X X
Clock, Electric U35 X X X X X
Bumper Rub Strips V65 X X X X X
Defogger, Rear Window C50 X N/INCL
Forced Air ZJ9 X X X X X
Lighting, Auxiliary AU3 X X X X X
Door Lock System, Power BS1 X X X X X
Quiet Sound Group BS1 X X X X X
Defogger, Rear Window C49 X X X X X
Electro-Clear U05 X X X X X
Horns, Dual A31 X X X X X
Windows, Power U58 X X X X X
Radio, AM/FM Stereo U68 X X X X X
Clock, Digital U67 X X X X X
Economizer Gage Package A90 X X X X X
Trunk Opener, Power CD4 X X X X X
W/S Wiper Equip., Intermittent D35 X X X X X
Mirrors, Sport
LH Remote and RH Manual

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING
Q-S OPTION

AIR CONDITIONING: (Incls K76 Gen)
C61 --Four-Season
C60 --Four-Season

AXLES, REAR:
G92 --Performance Ratio (Reqs LM1 Eng) (N/A NA6 High Altitude)

G90 --Posttraction
UA1 BATTERY, HEAVY-DUTY

AK1 BELTS, DELUXE: Color-Keyed Seat and
Shoulder (Incl w/50/50 Seat)

BUMPER EQUIPMENT: Front and Rear
V65 --Bumper, Pub. Str.

C49 --Electro-Clear (Incls K76 Gen w/o C60 Air)
C50 --Forced Air (N/A C49 Defogger)
AU3 DOOR LOCK SYSTEM, POWER
UF7 ECONOMIZER GAGE PACKAGE
EMISSION SYSTEMS: (MUST ORDER ONLY ONE)
(See Power Teams Chart)
YF5 --California Emission Requirements
NA2 --High Altitude Emission Equipment
NA6 --Standard Emission Equipment
B37 FLOOR COVERING: Mats, Color-Keyed Floor.
Front and Rear

K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)

A01 GLASS, SOFT-RAY TINTED: All Windows
U05 HORNS, DUAL
ZJ9 LIGHTING, AUXILIARY
B48 LUGGAGE COMPARTMENT TRIM, DELUXE
MIRRORS:

D33 --Outside Rearview, LH Remote (N/A Z03 Landau)
DF3 --Outside Rearview, LH and RH Remote (N/A Z03 Landau)

D68 --Sport, Twin Remote
D35 --Sport, LH Remote and RH Manual (Incl w/Z03 Landau)

D34 --Visor Vanity
D64 --Visor Vanity, Illuminated

MOLDINGS:

B84 --Body Side (Color Keyed) (Incl w/ZX5 Value App Group)

B93 --Door Edge Guard

B96 --Wheel Opening (Incl w/ZX5 Value App Group or Z03 Landau)

D84 PAINT, CUSTOM TWO-TONE: (N/A Z03 Landau) (Refer Page 4 for Exterior Paint availability and Page 10 for Accent Color)

BS1 QUIET SOUND GROUP

V01 RADIATOR, HEAVY-DUTY

U63 --AM Radio

U69 --AM/FM Radio

U58 --AM/FM Stereo Radio

U01 --Stereo Tape System w/AM Radio

U02 --Stereo Tape System w/AM/FM Stereo Radio

U05 --AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)

U80 --Speaker, Rear Seat (Reqs U63, U69 or U65 Radio)

U06 --Speakers, Dual Front (Reqs U63, U69 or U65 Radio) (Incl w/U58, U01 or U02 Radio)

U76 --Windshield Antenna (N/A U05 Radio) (Incl w/above Radio Equip w/o U75 Antenna)

U75 --Power Antenna (Reqs U63, U69, U01 or U02 Radio) (N/A U76 Antenna or U05 Radio)

... ROOF COVER, VINYL: (See Color and Trim Chart)

A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)

CA1 SKY ROOF, POWER

K30 SPEED CONTROL: Cruise-Master (N/A L22 Eng)

N33 STEERING WHEEL: Comfortilt

D85 STRIPING, PIN: Body Side (N/A D84 Paint) (Incl w/Z03 Landau) (Refer Page 10 for Standard Stripe Color Application)

SUSPENSION EQUIPMENT:

G66 --Shock Absorbers, Superlift Rear

F40 --Suspension, Heavy-Duty Front and Rear (N/A F41 Susp)

F41 --Suspension, Sport (Reqs QCX Tires)

TIRES: (B/W: Blackwall, W/S: White Stripe)

---FR78 B/W (Base) (Reqs L22 Eng)

QKN ---FR78 W/S (Reqs L22 Eng)

QBW ---Steel Belted Radial Ply (15/B)

QBW ---FR78 B/W (N/A YF5 Calif Emission)

OKA ---FR78 W/S (N/A YF5 Calif Emission)

OKB ---FR78 B/W (Reqs YF5 Calif Emission)

QCX ---GR70 W/S (PB2 Wheel Covers or Z03 Landau Reqs F41 Susp)

QDR ---GR78 W/S (N/A YF5 Calif Emission)

QMK ---GR78 W/S (Reqs YF5 Calif Emission)

A90 TRUNK OPENER, POWER

ZX5 VALUE APPEARANCE GROUP: (N/A Z03 Landau) (Incls P01 Wheel Covers, B84 and B96 Mldgs)

WHEEL TRIM: (N/A Z03 Landau)

P01 --Wheel Covers, Full (Incl w/ZX5 Value App Group)

PB2 --Wheel Covers, Sport (N/A ZX5 Value App Group)

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired.

Seat, Headliner and Door Trim Color	Blue	Camel	Car-mine	Green
Instrument Panel Pad and Carpet Color	Blue	Camel	Car-mine	Green

Model	Seat Type			
1BN35	Sport Cloth Bench	JDD1	JCC1	
	Sport Cloth 50/50		JCC3	
	Vinyl Bench	VDD1	VCC1	VRR1
	Vinyl 50/50	VDD3	VCC3	VGG1

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code			L	U	T
	L	U	T			
Black	19	19	-	A	R	A
Blue, Dark (Met)	29	29	22	R	A	
Blue, Light (Met)	22	22	11	R		
Blue, Light	21	21	-	R		
Camel (Met)	63	63	11		R	
Camel, Dark (Met)	69	69	61		R	
Camel, Light	61	61	-		R	A
Camel (Met)	77	77	11		A	R
Carmine, Dark (Met)	79	79	-		R	R
Green, Light (Met)	44	44	11	A		R
Green, Medium (Met)	45	45	44		A	R
Saffron (Met)	67	67	-		A	
Silver	15	15	-	A		R
White	11	11	-	R		R

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint Color	Color Code			L	U
	L	U	T		
Blue, Light (Met)	22	22		R	
Camel, Light	61	61		R	
Carmine, Dark (Met)	79	79		R	R
Green, Light (Met)	44	44		A	
Silver	15	15			R

L=Lower U=Upper

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO	
	2.56	3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION		
LG3	Std	-
LM1	Std	G92
WITH YF5 CALIFORNIA		
LM1	Std	G92
WITH NA6 HIGH ALTITUDE EMISSION		
LM1	-	Std

COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

AVAILABLE WITH N/A2 STANDARD EMISSION EQUIPMENT

--- L35 350 Cu. In. V6

--- L71 350 Cu. In. V6

AVAILABLE WITH N/A3 HIGH ALTITUDE EMISSION EQUIPMENT
(Recommended Above 4000 Foot Altitude)

--- L71 350 Cu. In. V6

CALIFORNIA REGISTRATION (REQS YF5)

--- L71 350 Cu. In. V6

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED
YOU MUST "PLUS" ANOTHER TIRE OPTION.

Glass, Soft-Ray Tinted	A01	X	X	X	X	X	
Tires, HR78-15/B White Stripe	CEL	X	X	X	X	X	
Air Conditioning, Four-Season	C60	X	X	X	X	X	
Mirror, LH Remote	D33	X	X	X	X	N/INCL	
Carrier, Roof	V55	X	X	X	X	X	
Radio, AM	U63	X	X	X	X	N/INCL	
Value Appearance Group	ZX5	X	X	X	X	X	
Speed Control	V30	X	X	X	X	X	
Guards, Bumper	V30	X	X	X	X	X	
Tailgate Lock, Power	R10	X	X	X	X	X	
Moldings, Door Edge Guard	R93	X	X	X	X	X	
Mats, Color-Keyed Floor	R37	X	X	X	X	X	
Steering Wheel, Comfortilt	U33	X	X	X	X	X	
Door Lock System, Power	A03	X	X	X	X	X	
Belts, Deluxe	A01	X	X	X	X	X	
Speaker, Rear Seat	U90	X	X	X	X	X	
Radio, AM/FM	U69	X	X	X	X	N/INCL	
Clock, Electric	U35	X	X	X	X	N/INCL	
Defogger, Rear Window						X	
Electro-Clear	C49					X	
Carpeting, Load Floor	B39					X	
Lighting, Auxiliary	ZJ9					X	
Bumper Rub Strips	VE5					X	
Quiet Sound Group	R51					X	
Windows, Power	A31					X	
Radio, AM/FM Stereo	U58					X	
Horns, Dual	U05					X	
Mirrors, LH and RH Remote	DF3					X	
Clock, Digital	UE8					X	
Container, Litter	D24					X	
Econominder Gage Package	UF7					X	
Mirror, Visor Vanity	D34					X	
Mirrors, Sport						X	
LH Remote and RH Manual	D35					X	
w/S Wiper Equip., Intermittent	CD4					X	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O/S	OPTION	
	AIR CONDITIONING: (Incls K76 Gen)	
445	C61 ---Comfortron	
	C60 ---Four-Season	
	AXLES, REAR:	
✓ G92	---Performance Ratio (Reqs LM1 Eng)	
	G80 ---Positraction	
UA1	BATTERY, HEAVY-DUTY	
447	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder (Incl w/50/50 Seat)	
	BUMPER EQUIPMENT: Front and Rear	
448	VE5 ---Bumper Rub Strips	
446	V30 ---Guards, Bumper	
445	V55 CARRIER, ROOF	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O/S OPTION

449	CLOCKS:	
UE8	---Digital (N/A U35)	
446	U35 ---Electric (N/A UE3)	
450	D24 CONTAINER, LITTER	
443	C49 DEFOGGER, REAR WINDOW: Electro-Clear (Incls K76 Gen w/o C60 Air)	
447	AU3 DOOR LOCK SYSTEM, POWER	
450	UF7 ECONOMINDER GAGE PACKAGE	
	EMISSION SYSTEMS: (MUST ORDER ONLY ONE)	
	(See Power Teams Chart)	
YF5	---California Emission Requirements	
NA6	---High Altitude Emission Equipment	
NA2	---Standard Emission Equipment	
	FLOOR COVERING:	
B39	---Carpeting, Deluxe Load Floor	
RC5	---Carpeting, Deluxe Cargo Area (Incls B39 Carpeting)	
443	B37 ---Mats, Color-Keyed Floor. Front and Rear	
446	K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)	
445	A01 GLASS, SOFT-RAY TINTED: All Windows	
449	U05 MIRRORS, DUAL	
448	ZJ9 LIGHTING, AUXILIARY	
	MIRRORS:	
D33	---Outside Rearview, LH Remote	
R93	---Outside Rearview, LH and RH Remote	
D68	---Sport, Twin Remote	
450	B35 ---Sport, LH Remote and RH Manual	
450	D34 ---Visor Vanity	
	D64 ---Visor Vanity, Illuminated	
	MOLDINGS:	
994	---Body Side (Color Keyed) (Incl w/ZX5 Value App Group)	
446	R93 ---Door Edge Guard	
	R96 ---Wheel Opening (Incl w/ZX5 Value App Group)	
	D94 PAINT, CUSTOM TWO-TONE: (Refer Page 8 for Exterior Paint Availability and Page 10 for Accent Color)	
449	RS1 QUIET SOUND GROUP	
	V01 RADIATOR, HEAVY-DUTY	
	RADIO EQUIPMENT:	
445	U63 ---AM Radio	
447	U69 ---AM/FM Radio	
449	U58 ---AM/FM Stereo Radio	
	UM1 ---Stereo Tape System w/AM Radio	
	UM2 ---Stereo Tape System w/AM/FM Stereo Radio	
	UP5 ---AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)	
447	U90 ---Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)	
	UX6 ---Speakers, Dual Front (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM1 or UM2 Radio)	
	U76 ---Windsheild Antenna (N/A UP5 Radio) (Incl w/Above Radio Equip w/o U75 Antenna)	
	U75 ---Power Antenna (Reqs U63, U69, U58, UM1 or UM2 Radio) (N/A U76 Antenna or UP5 Radio)	
	A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)	
	K30 SPEED CONTROL: Cruise-Master	
446	R33 STEERING WHEEL: Comfortilt	
447	D95 STRIPING, P11: Body Side (N/A D84 Paint) (Refer Page 10 for Standard Stripe Color Application)	
	SUSPENSION EQUIPMENT:	
GA6	---Shock Absorbers, Superlift Rear	
F40	---Suspension, Heavy-Duty Front and Rear	
446	B10 TAILGATE LOCK, POWER	
	TIRES: (B/W: Blackwall, W/S: White Stripe)	
ODU	---Steel Belted Radial Ply (15/B)	
445	REL ---HR78 B/W	
	ZX5 VALUE APPEARANCE GROUP: (Incls P01 Wheel Covers, B84 and B96 Mtdgs)	
	WHEEL TRIM:	
P01	---Wheel Covers, Full (Incl w/ZX5 Value App Group)	
PB2	---Wheel Covers, Sport (N/A ZX5 Value App Group)	
449	A31 WINDOWS: Power	
450	CD4 WINDSHIELD WIPER EQUIPMENT: Intermittent System	

STANDARD STRIPE REQUIRES D85 OR Z03 LANDAU

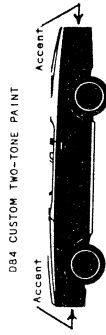
Exterior Paint Color and Code		Black	Blue Light (Met)	Camel Light	Carmine Dark (Met)	Green Light (Met)	Silver	White
Black	19 Molding Stripe	BB	DD	CC	RR	GG	QQ	WW
	29 Molding Stripe	Black	Blue	Black	Green	Green	Black	Black
	29 Molding Stripe	Black	Blue	Gold	Green	Green	Silver	White
	22 Molding Stripe	Black	Blue	Black	Green	Green	Black	Black
	22 Molding Stripe	Black	Blue	Black	Green	Green	White	White
	21 Molding Stripe	Black	Blue	Black	Green	Green	Black	Blue
	21 Molding Stripe	Black	Blue	Black	Green	Green	Black	Blue
	63 Molding Stripe	Black	Blue	Black	Green	Green	Black	White
	69 Molding Stripe	Black	Blue	Black	Green	Green	Black	White
	61 Molding Stripe	Black	Blue	Black	Green	Green	Black	White
Camel (Met)	77 Molding Stripe	Gold	Buckskin	Buckskin	Carmine	Green	Black	White
	79 Molding Stripe	Red	Black	Black	Red	Green	Black	Carmine
	44 Molding Stripe	Carmine	Green	Black	Carmine	Green	Black	White
	45 Molding Stripe	Green	Green	Black	Gold	Green	Black	White
	45 Molding Stripe	Green	Green	Black	Green	Green	Black	Green
	67 Molding Stripe	Black	Black	Black	Green	Green	Black	Black
	15 Molding Stripe	Black	Black	Black	Green	Green	Black	White
	11 Molding Stripe	Black	Blue	Camel	Green	Green	Black	White
	11 Molding Stripe	Black	Blue	Gold	Green	Green	Black	Black
	11 Molding Stripe	Black	Blue	Gold	Green	Green	Black	Gold

When ZP2 is specified to override Vinyl Roof and Exterior Color, Molding and Stripe Color is Black on all combinations except 19 when the Molding will be Black and the stripe Gold unless otherwise specified.

WITHOUT VINYL ROOF

Exterior Paint Color	Color Code			#Molding	*Stripe
	L	U	T		
Black	19	19	-	Black	D85
Blue, Dark (Met)/Blue, Light	29	-	22	Blue	Blue
Blue, Dark (Met)	29	29	-	Black	Silver
Blue, Light/White	22	-	11	Blue	White
Blue, Light (Met)	22	22	-	Blue	Blue
Blue, Light	21	21	-	Blue	Blue
Camel (Met)/White	63	-	11	Camel	White
Camel (Met)	63	63	-	Camel	Gold
Camel, Dark (Met)/Camel, Light	69	-	61	Camel	Gold
Camel, Dark (Met)	69	69	-	Black	Gold
Camel, Light	61	61	-	Camel	Buckskin
Carmine (Met)/White	77	-	11	Carmine	White
Carmine (Met)	77	77	-	Carmine	Red
Carmine, Dark (Met)	79	79	-	Carmine	Gold
Green, Light (Met)/White	44	-	11	Green	White
Green, Light (Met)	44	44	-	Green	Green
Green, Medium (Met)/Green, Light (Met)	45	-	44	Green	Green
Green, Light (Met)	45	45	-	Green	Gold
Saffron, Medium (Met)	67	67	-	Black	White
Silver	15	15	-	Black	Red
White	11	11	-	Black	Gold

L=Lower U=Upper T=Two-Tone



PLEASE NOTE:
* If the color of the stripe (D85), as shown in the above charts, is not desired, order one of the following options instead of D85 Stripe.
11A=White; 13A=Silver; 19A=Black; 27A=Light Blue; 49A=Light Green; 54A=Gold; 75A=Red; 95A=Buckskin
D85 and optional stripes N/A with D84 Custom Two-Tone Paint.

If the color of molding (B84), as shown in the above charts, is not desired, order one of the following options instead of B84 Molding.
190=Black; 220=Light Blue; 440=Light Green; 610=Light Camel; 790=Dark Carmine
Optional Molding colors N/A with D84 Custom Two-Tone Paint or BX3 Estate Equipment.

WITH D84 CUSTOM TWO-TONE PAINT (MOLDING REQS RPO B84) (NO SUBSTITUTES ALLOWED)

Exterior Paint	Color Code	Molding	Stripe	Body Side
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1978



Specifications Form

Passenger Car

Manufacturer	Car Line	
Chevrolet Motor Division General Motors Corporation	Chevrolet	
Mailing Address	Model Year	Issued: Revised (•)
Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	1978	October 1977 February, 1978

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NOTES:

1. SI UNITS * ARE USED THROUGHOUT THIS FORM. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE INDICATED.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used through these specifications.
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

* SI is the abbreviation for the International System of Units which is only partially related to the various conventional metric systems. Refer to ANSI Z210.1 (ASTM 380) for proper usage.

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load (Pounds)
---	---	---	-----------------------------------

		<u>Model Number</u>	<u>Front</u>	<u>Rear</u>
Impala				
4-Door Sedan		1BL69	3	3
2-Door Coupe		1BL47	3	3
4-Door Station Wagon, 2-Seat		1BL35	3	3
Caprice Classic				
4-Door Sedan		1BN69	3	3
2-Door Coupe		1BN47	3	3
4-Door Station Wagon, 2-Seat		1BN35	3	3

NOTE: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

Car and Body Dimensions | See Key Sheets, for definitions.

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.

SAE Ref No refers to the definition published in SAE Recommended Practice.

J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons
--------------	---------------	---------------	----------------

Width

Tread - Front	W101	1568 (61.8 in.)	1578 (62.2 in.)
Tread - Rear	W102	1542 (60.8 in.)	1628 (64.1 in.)
Vehicle width	W103	1930 (76.0 in.)	2010 (79.1 in.)
Body width at Sq. RP - front	W117	1916 (75.4 in.)	
Vehicle width - front doors open	W120	3443 (135.5 in.)	3442 (135.5 in.)
Vehicle width - rear doors open	W121	2917 (114.9 in.)	2915 (114.8 in.)

Length

Wheelbase	L101	2945 (116.0 in.)	
Vehicle length	L103	5385 (212.1 in.)	5454 (214.7 in.)
Overhang - front	L104	1016 (40.0 in.)	
Overhang - rear	L105	1424 (56.1 in.)	1493 (58.8 in.)
Upper structure length	L123	2530 (99.6 in.)	2652 (104.4 in.)
Rear wheel C/L "X" coordinate	L127	2475 (97.5 in.)	3506 (138.0 in.)
Cowl point "X" coordinate	L125	235 (9.2 in.)	236 (9.3 in.)
		235 (9.2 in.)	235 (9.2 in.)

Height

Passenger Distribution (front/rear)	PD1,2,3	2 - 3	
Trunk/Cargo load (lbs.)		0	
Vehicle height	H101	1422 (56.0 in.)	1406 (55.3 in.)
Cowl point to ground	H114	996 (39.2 in.)	1002 (39.4 in.)
Deck point to ground	H138		
Rocker To ground	H112	229 (9.0 in.)	234 (9.2 in.)
From front wheel C/L			
Bottom of door closed-front to grid	H133	283 (11.1 in.)	292 (11.5 in.)
Rocker panel - rear	H111	229 (9.0 in.)	240 (9.4 in.)
From rear wheel C/L			
Bottom of door closed-rear to grid	H135	283 (11.1 in.)	294 (11.6 in.)
Windshield slope angle	H122	53.5°	53.5°

Ground Clearance*

Front bumper to ground	H102	282 (11.1 in.)	
Rear bumper to ground	H104	334 (13.1 in.)	294 (11.6 in.)
Bumper to grid - front @ curb wt.	H103	328 (12.9 in.)	327 (12.9 in.)
Bumper to grid - rear @ curb wt.	H109	374 (14.7 in.)	320 (12.6 in.)
Angle of approach	H106	16.97°	16.79°
Angle of departure	H107	15.17°	12.24°
Ramp breakover angle	H147	15.31°	15.09°
Rear axle differential to ground	H153	178 (7.0 in.)	191 (7.5 in.)
Min running ground clearance	H156	147 (5.8 in.)	150 (5.9 in.)

Body Type

SAE Ref. No.	4-Door Sedans	2-Door Coupes	Station Wagons
	1BL69	1BL47	1BL35

Front Compartment

Sq RP - front, "X" coordinate	L31	1078 (42.4 in.)	1007 (39.6 in.)
Effective head room	H61	985 (38.8 in.)	979 (38.5 in.)
Effective T Point head room	H75	1001 (39.4 in.)	984 (38.7 in.)
Max. eff. leg room - accelerator	L34	1076 (42.4 in.)	
Sq RP - front to heel	H30	214 (8.4 in.)	
Design H-point front travel	L17	161 (6.3 in.)	
Shoulder room	W3	1544 (60.8 in.)	
Hip room	W5	1398 (55.0 in.)	
Upper body opening to ground	H50	1285 (50.6 in.)	1307 (51.5 in.)
Steering Wheel Angle	H18	19.0	(°)
Back Angle	L40	26.5	(°)

Rear Compartment

Sq RP Point couple distance	L50	882 (34.7 in.)	851 (33.5 in.)
Effective head room	H63	970 (38.2 in.)	966 (38.0 in.)
Effective T Point head room	H76	967 (38.1 in.)	962 (37.9 in.)
Min. effective leg room	L51	991 (39.0 in.)	947 (37.3 in.)
Sq RP - second to heel	H31	292 (11.5 in.)	273 (10.7 in.)
Knee clearance	L48	90 (3.5 in.)	70 (2.8 in.)
Compartment room	L3	737 (29.0 in.)	722 (28.4 in.)
Shoulder room	W4	1545 (60.8 in.)	1494 (58.8 in.)
Hip room	W6	1405 (55.3 in.)	1462 (57.6 in.)
Upper body opening to ground	H51	1300 (51.2 in.)	1315 (51.8 in.)

Luggage Compartment

Usable luggage capacity	V1	572 (20.2 cu.ft.)	560 (19.8 cu.ft.)
Liftover height	H195	796 (31.3 in.)	
Position of spare tire storage		Sedans and coupes front center of trunk compartment (*)	
Method of holding lid open		Torsion Rods	

(*) Station Wagons - Vertical right rear quarter panel.

Body Type

SAE Ref. No.	Station Wagons
1BL35	1BN35

Station Wagon — Third Seat

Shoulder Room	W85	1240 (48.8 in.)	(mm)
Hip room	W86	1109 (43.7 in.)	(mm)
Effective leg room	L86	782 (30.8 in.)	(mm)
Effective head room	H86	952 (37.5 in.)	(mm)
Effective T Point head room	H89	954 (37.6 in.)	(mm)
Seat facing direction	SD1		

Station Wagon — Cargo Space

Cargo length - open - front	L200	2790 (109.8 in.)	(mm)
Cargo length - open - second	L201	1907 (75.1 in.)	(mm)
Cargo length - closed - front	L202	2290 (90.2 in.)	(mm)
Cargo length - closed - second	L203	1407 (55.4 in.)	(mm)
Cargo length at belt - front	L204	2128 (83.8 in.)	(mm)
Cargo length at belt - second	L205	1222 (48.1 in.)	(mm)
Cargo width - wheelhouse	W201	1224 (48.2 in.)	
Rear opening width at floor	W203	1238 (48.7 in.)	
Opening width at belt	W204	1224 (48.2 in.)	
Max rear opening width above belt	W205	988 (38.9 in.)	
Cargo height	H201	763 (30.0 in.)	757 (29.8 in.)
Rear opening height	H202	729 (28.7 in.)	
Tail gate to ground height (curb wt.)	H250	741 (29.2 in.)	(mm)
Front seat back to load floor height	H197		
Cargo volume index	V2	2510 (88.6 cu. ft.)	2490 (87.9 cu. ft.) (m³)
Hidden cargo volume	V4		

Hatchback — Cargo Space

Front seat back to load floor height	H197		(mm)
Cargo length at front seat	L206	NOT APPLICABLE	(mm)
Back Height	L209		(mm)
Cargo length at floor - front	V3		(dm³)
Cargo volume index	V4		
Hidden cargo volume			

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

SAE net power and torque corrected to standard conditions of temperature and barometric pressure as defined in SAE J-243

SERIES AVAILABILITY #	ENGINE (1)					TRANSMISSION		AXLE RATIO(:1) (Std. first) (Indicate A/C ratio) (B)		(C)
	Displ. (litres)	Carb.	Compr. Ratio	SAE Net @ RPM		Exhaust System*	Type	Model		
				Power (kW)	Torque (Nm)					
Base - All States Sedans and Coupes	4.1L L-6 (122)	1-bbl	8.1:1	82 (110) @ 3800	264 (190) @ 1600	S	3-Spd Auto	Auto '350	2.73	-
Optional - All States	5.0L V-8 (LG3)	2-bbl	8.4:1	108 (145) @ 3800	332 (245) @ 2400	S	3-Spd Auto	Auto '350 Auto '200 (+)	2.41	-
Base - All States except California Station Wagons	3.05			145 HP				Auto '350 Auto '200 (+)	2.41	-
Optional - All States	5.7L V-8 (LM1)	4-bbl	8.2:1	127 (170) @ 3800	366 (270) @ 2400	S	3-Spd Auto	Auto '350 Auto '200 (+)	-	3.08
Sedans and Coupes								Auto '350	2.56	3.08
Optional - All States								Auto '350	2.56	3.08
Station Wagon	350									
# - 'Base' and 'Optional' refer to engine availability.										
+ - Manufacturing Option										
A - Base All states.										
B - Optional All states.										
C - Above 1219 M (4,000 feet) altitude - all except California.										
Positraction and air conditioning available with all axle ratios.										
(1) California and altitudes above 1219 M (4000 ft.):										
Engine	K' (HP)	H.P.						Torque	145 HP	244 (175) @ 1600

4.1 Litre (250 CID) L6/1 Barrel
RPO L22

Engine — General

Type (inline, V, Flat)	In-Line
Total dressed engine w/ dry *	210.3 Kg (463.7 lb.)
No. of cylinders	6
Bore	98.4 (3.875)
Stroke	89.7 (3.53)
Piston Displacement	4.1 (250) (litres) (mm)
Bore spacing (C/L to C/L)	111.8 (4.40)
Cyl No system (front to rear)	1-2-3-4-5-6
L Bank	- - - -
R Bank	- - - -
Firing Order	1-5-3-6-2-4
Cylinder Head Material	Cast Alloy Iron
Cylinder Block Material	Cast Alloy Iron
Cylinder block deck height	232.4 (9.15)
Number of mtg points	Two
Front	One
Rear	4 @ 30°
Engine installation angle	
Recommended fuel leaded, unleaded	Unleaded
Fuel antiknock index (R+M) 2	91
Cylinder Head Volume (cm ³)	70.0 (4.27)
Head Gasket Thickness (Compressed) (CM*RV2 3*EL2)	0.038 (.0015) (mm)
Head Gasket Volume (cm ³)	8.14 (.4967) (cm ³)
Deck Clearance (minimum) (above or below block)	0.64 (.025) below (mm)
Minimum Combustion Chamber Volume (cm ³)	68.0 (4.150) (cm ³)

Engine — Pistons

Material	Cast Aluminum Alloy
Description and finish	Sump head; closed, slipper skirt
Mass (piston only)	0.57 (20.24) (kg)
Top land	0.622-0.851 (.0245-.0335) (mm)
Skirt	0.013-0.038 (.0005-.0015) (mm)
Bottom	
No. 1 ring	87.22-87.48 (3.434-3.444) (mm)
No. 2 ring	87.22-87.48 (3.434-3.444) (mm)
No. 3 ring	87.53-87.78 (3.446-3.456) (mm)
Ring groove diameter	
(a) Measured 42.6mm (1.66) from top of piston.	

*Dressed engine weight includes the following:

Engine — General

Type (inline, V, Flat)	90	'V'	
Total dressed engine wt. dry	257.5 kg (567.7 lb.)	251.6 kg (554.7 lb.)	
No. of cylinders	8		
Bore	94.89 (3.736)	101.6 (4.0)	
Stroke	88.4 (3.48)	88.4 (3.48)	(litres)
Piston Displacement	5.0 (305)	5.7 (350)	(mm)
Bore spacing (C/L to C/L)	111.8 (4.40)		
Cyl. No. system (front to rear)	1-3-5-7		
	2-4-6-8		
Firing Order	1-8-4-3-6-5-7-2		
Cylinder Head Material	Cast Alloy Iron		
Cylinder Block Material	Cast Alloy Iron		
Cylinder block deck height	229.4 (9.03)		
Number of mtg. points	Two		
	One		(°)
Engine installation angle	4° 30'		
Recommended fuel lead ^a , unleaded	Unleaded		

Fuel antiknock index
(R+M)
2

Cylinder Head Volume (cm ³)	60.52 (3.69)	91	75.47 (4.6)	(cm ³)
Head Gasket Thickness (Compressed) (MA-RV2 3" EL2)	0.53 (0.021)		4.58 (0.28)	(mm)
Head Gasket Volume (cm ³)	3.28 (0.2)			(cm ³)
Deck Clearance (minimum) (above or below block)	0.64 (.025) below			(mm)
Minimum Combustion Chamber Volume (cm ³)	58.99 (3.6)		73.74 (4.5)	(cm ³)

Engine — Pistons

Cast Aluminum Alloy

Sump head; closed, slipper skirt

Mass (piston only)		0.59 (20.80)	0.60 (21.33)	(kg)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	.597-.622 (.0235-.0245)	(mm)
	Skirt	Top (a)	.018-.043 (.0007-.0017)	(mm)
		Bottom		(mm)
Ring groove diameter	No. 1 ring	84.33-84.71 (3.320-3.335)	89.94-90.32 (3.541-3.556)	(mm)
	No. 2 ring	84.33-84.71 (3.320-3.335)	89.94-90.32 (3.541-3.556)	(mm)
	No. 3 ring	83.32-84.20 (3.300-3.315)	90.86-91.24 (3.577-3.592)	(mm)

(a) Measured 39.6mm (1.56) from top of piston.

^aDressed engine weight includes the following:Material required to make the engine an independent working power unit less
mountings

Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	Compression
	No. 2. oil or comp.	Compression
	No. 3. oil or comp.	Oil
Compression	Description - Upper material, coating, etc.	Cast Alloy Iron, Barrel Face, Minimum Chrome, Moly Channel, Graphite
	Lower	Cast Alloy Iron, Inside Bevel Reverse Tapered Face. Lubricated
	Width	Upper - 1.969 - 1.981 (.0775 - .0780); Lower - 1.956 - 1.981 (.0770 - .0780) (mm)
Oil	Gap	0.025-0.51 / (.010-.020)
	Description - material, coating, etc.	Multi-piece, (2) Rails and (1) Spacer Expander
	Width	Rails - Steel, Chrome Plated O.D.; Expander - Stainless Steel
Expanders	Gap	4.699 - 4.750 (.1850 - .1870) (mm)
		0.38 - 1.40 (.015 - .055) (mm)
		In Oil Ring Assembly

Engine - Piston Pins

Material	Chromium Steel	
Length	75.95 - 76.45 (2.990 - 3.010) (mm)	
Diameter	23.546 - 23.553 (.9270 - .9273) (mm)	
Type	Locked in rod, in piston, floating, etc.	Locked in Rod
	Bushing	None
	In rod or piston Material	---
Clearance	In piston	0.0038 - 0.0064 (.00015 - .00025) (mm)
	In rod	(mm)
Direction & amount offset in piston	Major Thrust Side; 1.52 (.060) (mm)	

Engine - Connecting Rods

Material	Drop Forged Steel	
Mass	0.4 (14.24) (kg)	
Length (center to center)	144.65 - 144.91 (5.695 - 5.705) (mm)	
Bearing	Material & Type	Premium Aluminum
	Overall length	20.50 (.807) (mm)
	Clearance (limits)	0.018 - 0.069 (.0007 - .0027) (mm)
	End Play	0.18 - 0.41 (.007 - .016) (mm)

V-8.50 Lite - 305 CID/2-bb1 RPO LG 3	V-8 5.7 Lite - 350 CID /4-bb1 RPO LM 1
---	---

Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	Compression
	No. 2. oil or comp.	Compression
	No. 3. oil or comp.	Oil
Compression	Description - Upper material, coating, etc.	Cast Alloy Iron, Radius Face, Chrome Flash
	Lower	Cast Alloy Iron, Reverse Twist Tapered Face, Lubrited
	Width Upper (a)	1.956 - 1.981 (.0770 - .0780) 1.969 - 1.981 (.0775 - .0780) (mm)
Oil	Gap Upper (b)	0.25 - 0.51 (.010 - .020) 0.330 - 0.63 (.013 - 0.25) (mm)
	Description - material, coating, etc.	Multi-Piece, (2) Rails and (1) Spacer Expander Rails - Steel, Chrome Plated O.D.; Expander - Stainless Steel
	Width	4.722 - 4.773 (.1859 - .1879) 4.699 - 4.750 (.1850 - .1870) (mm)
Expanders	Gap	0.25 - 0.89 (.010 - .035) 0.38 - 1.40 (.015 - .055) (mm)
	In Oil Ring Assembly	

Engine - Piston Pins

Material	Chromium Steel	
Length	75.95 - 76.45 (2.990 - 3.010) (mm)	
Diameter	23.546 - 23.553 (.9270 - .9273) (mm)	
Type	Locked in Rod	
	Bushing	None
	In rod or piston	
Clearance	Material	
	In piston	.0063 - .0089 (.00025 - .00035) (mm)
Direction & amount offset in piston	In rod	(mm)
	Major Thrust Side - 1.52 (.060) (mm)	

Engine - Connecting Rods

Material	Drop Forged Steel	
Mass	0.4 (13.70) (kg)	
Length (center to center)	144.65 - 144.91 (5.695 - 5.705) (mm)	
Bearing	Material & Type	Premium Aluminum
	Overall length	20.24 (0.797) (mm)
	Clearance (limits)	0.033 - 0.089 (.0013 - .0035) (mm)
	End Play	0.15 - 0.41 (.006 - .016) (mm)

(a) Lower - 1.956 - 1.981 mm (.0770 - .0775)

(b) Lower - 0.25 - 0.63 mm (.010 - .025)

L-6 4.1 Litre (250 CID) - RPO L-22 /1-bb1.

Engine—Crankshaft

Material	Cast Nodular Iron	
Vibration damper type	Rubber Mounted Inertia	
End thrust taken by bearing (No.)	7	
Crankshaft end play	0.05 - 0.15 (.002 - .006)	
	(mm)	
Material & type	Premium Aluminum - Except #7 Upper Cooper Lead Alloy (Man. Trans. only)	
Clearance	0.008 - 0.074 (.0003 - .0029)	
No. 1	58.417 x 19.10 (2.2999 x .752)	
No. 2	58.417 x 19.10 (2.2999 x .752)	
No. 3	58.417 x 19.10 (2.2999 x .752)	
No. 4	58.417 x 19.10 (2.2999 x .752)	
No. 5	58.417 x 19.10 (2.2999 x .752)	
No. 6	58.417 x 19.10 (2.2999 x .752)	
No. 7	58.417 x 19.30 (2.2999 x .760)	
Dir. & amt. cyl. offset	None	
No. bolts/main brg cap	Two	
Crankpin journal diameter	50.77 - 50.80 (1.999 - 2.000)	
	(mm)	

Engine—Camshaft

Location	Above and to Right of Crankshaft	
Material	Cast Alloy Iron	
Material	Steel Backed Babbitt	
Bearings	4	
Gear or chain	Gear	
Crankshaft gear or sprocket material	Cast Iron	
Camshaft gear or sprocket material	Aluminum Alloy	
No. of links	None	
Timing chain	None	
Width	None	
Pitch	None	
	(mm)	

Engine—Crankshaft

Material	Cast Nodular Iron	
Vibration damper type	Rubber Mounted Inertia	
End thrust taken by bearing (No.)	5	
Crankshaft end play	0.05 - 0.18 (.002 - .007)	
Main bearing	Material & type	Premium Aluminum Except As Noted: (a)
	Clearance	(b)
	No. 1	62.235 x 19.10 (2.4502 x .752)
	No. 2	62.235 x 19.10 (2.4502 x .752)
	No. 3	62.235 x 19.10 (2.4502 x .752)
	No. 4	62.235 x 19.10 (2.4502 x .752)
	No. 5	62.235 x 19.10 (2.4502 x .752)
	No. 6	62.250 x 29.97 (2.4508 x 1.180)
	No. 7	None
	Dir. & amt. cyl. offset	None
Crankpin journal diameter	No. bolts/main brg. cap	--
		2
		53.31 - 53.34 (2.099 - 2.100)

Engine—Camshaft

Location	In Block Above Crankshaft	
Material	Cast Alloy Iron	
Bearings	Material	Steel Backed Babbitt
	Number	5
	Gear or chain	Chain
Type of Drive	Crankshaft gear or sprocket material	Sintered Iron
	Camshaft gear or sprocket material	Nylon Teeth with Aluminum Head
	No. of links	46
	Timing chain	15.87 (.625)
	Width	12.7 (.500)
	Pitch	

(a) 5L - #1 Upper and Lower - G66 Conecc
5 and 5.7L - #5 Upper - Steel backed insert with copper lead alloy.
Also #5 Lower with man. trans.

- (b) #1 - .020-.051mm (.0008-.0020in)
#2,3,4 - .028-.058mm (.0011-.0023in)
#5 - .043-.084mm (.0017-.0033in)

Engine—Valve System

Hydraulic lifters (Std., opt., NA)		Standard	
Valve rotator, type (intake, exhaust)		None	
Push rods (dia., length, material)		7.937 x 244.14 (.3125 x 9.612); Welded Steel Tubing	(mm)
Rocker ratio		1.75:1	
Operating tappet clearance (indicate hot or cold)	Intake		(mm)
	Zero		
	Exhaust		(mm)
	Zero		
	Timing (based on top of ramp points)	Opens (*BTC)	(°)
		Closes (*ABC)	(°)
		Duration	(°)
	Exhaust	Opens (*BBC)	(°)
		Closes (*ATC)	(°)
		Duration	(°)
	Valve open overlap		(°)
	Material		
	Alloy Steel (SAE 1541 - 1547); Chrome Flash Stem		
	Overall length		(mm)
	Actual overall head dia.		(mm)
	Angle of seat & face		(°)
Intake	Seat insert material		
	None		
	Stem diameter		(mm)
	8.661 - 8.679 (.3410 - .3417)		
	Stem to guide clearance		(mm)
	0.025 - 0.069 (.0010 - .0027)		
	Lift (α zero lash)		(mm)
	9.855 (.3880)		
	Outer spring force & length	Valve closed	(N@mm)
		346.944 - 382.528 @ 42.2 (78 - 86 @ 1.66)	
Exhaust	Inner spring force & length	Valve open	(N@mm)
		756.16 - 800.65 @ 32.0 (170 - 180 @ 1.26)	
	Valve closed	None	(N@mm)
		None	(N@mm)
	Valve open	None	(N@mm)
		None	(N@mm)
	Material		
	High Alloy Steel, 21 - 4N, Chrome Flash Stem		
	Overall length		(mm)
	124.79 - 125.30 (4.913 - 4.933)		
	Actual overall head dia.		(mm)
	37.97 - 38.23 (1.495 - 1.505)		
	Angle of seat & face		(°)
	46 Seat, 45 Face		
	Seat insert material		
	None		
	Stem diameter		(mm)
	8.661 - 8.679 (.3410 - .3417)		
	Stem to guide clearance		(mm)
	0.025 - 0.069 (.0010 - .0027)		
	Lift (α zero lash)		(mm)
	10.289 (.4051)		
	Outer spring force & length	Valve closed	(N@mm)
		346.944 - 382.528 @ 42.2 (76 - 86 @ 1.66)	
	Valve open	None	(N@mm)
		756.16 - 800.64 @ 32.0 (170 - 180 @ 1.26)	
	Material		
	Alloy Steel (SAE 1541 - 1547); Chrome Flash Stem		
	Overall length		(mm)
	124.79 - 125.30 (4.913 - 4.933)		

Engine—Valve System

Hydraulic lifters (Std., opt., NA)		Standards	
Valve rotator, type (intake, exhaust)		Exhaust	
Push rods (dia., length, material)		7.937 x 196.19 (.3125 x 7.724); Welded Steel Tubing	
Rocker ratio		1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	
Timing (based on top of ramp points)	Intake	Opens (*BTC)	28 (°)
		Closes (*ABC)	72 (°)
	Exhaust	Duration	280 (°)
		Opens (*BBC)	78 (°)
	Valve open overlap	Closes (*ATC)	30 (°)
		Duration	288 (°)
	Material (a)	Alloy Steel (SAE 1541)	Alloy Steel (SAE 1541 or 1547)
		Overall length	124.51-125.02 (4.902-4.922)
	Actual overall head dia.	43.56-43.81 (1.715-1.725)	123.70-124.18 (4.870-4.889)
		Angle of seat & face	46 Seat, 45 Face
Intake	Seat insert material	None	None
		Stem diameter	8.661-8.679 (.3410-.3417)
	Stem to guide clearance	0.025-0.069 (.0010-.0027)	0.025-0.069 (.0010-.0027)
		Lift (α zero lash)	9.467 (.3727)
	Outer spring force & length	Valve closed	341.088 - 376.992 @ 43.2 (76-84 @ 1.70)
		Valve open	773.9 - 827.3 @ 31.7 (174 - 186 @ 1.25)
	Inner spring force & length	Valve closed	Spring Damper
		Valve open	Spring Damper
	Material (a)	High Alloy Steel (21 - 2N), Aluminumized Head	High Alloy Steel (21 - 2N), Aluminumized Head
		Overall length	124.79 - 125.30 (4.913 - 4.933) 124.71 - 124.79 (4.910-4.930)
Exhaust	Actual overall head dia.	37.97 - 38.23 (1.495 - 1.505)	37.97 - 38.23 (1.495 - 1.505)
		Angle of seat & face	46 Seat, 45 Face
	Seat insert material	None	None
		Stem diameter	8.661-8.679 (.3410-.3417)
	Stem to guide clearance	0.025-0.069 (.0010-.0027)	0.025-0.069 (.0010-.0027)
		Lift (α zero lash)	10.414 (.4100)
	Outer spring force & length	Valve closed	341.088 - 376.992 @ 41.0 (76 - 84 @ 1.61)
		Valve open	818.4 - 871.8 @ 29.5 (184 - 196 @ 1.16)
	Inner spring	Valve closed	Spring Damper
		Valve open	Spring Damper

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle
Oil pump type	Cylinder walls	Splash
	Gear	
Normal oil pressure		248.2-282.7 (36-41)@2000
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full Flow
Capacity of c/case, less filter-refill		3.8 (4.0)
Oil grade recommended (SAE viscosity and temperature range in °C)		(a)
Engine service reqmt. (SD, SE, etc.)		SE

Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single with single converter	
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	
Exhaust Pipe	Resonator No. & type	None
	Branch O.D., wall thickness	None
Intermediate Pipe	Main O.D., wall thickness	50.8 x 1.02 (2.0 x .040); 57.15 x 1.02 (2.25 x .040) (b)
	Material	Laminated stainless steel tubing
Tail Pipe	O.D. & wall thickness	57.15 x 1.73 (2.25 x .068)
	Material	Aluminized steel tubing
Tail Pipe	O.D. & wall thickness	50.80 x 1.40 (2.0 x .055)
	Material	Aluminized stainless steel tubing

- (a) - 6.6°C & above (20°F & above) - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50
 - 17.7°C to + 15.5°C (0° to 60°F) - 10W, 5W-30, 10W-40, 10W-30
 - 6.6°C & below (20°F & below) - 5W-20, 10W-30

(b) Calif. Only

5.0 Litre (305 CID) V8/ 2-Bbl. - RPO LG3	5.7 Litre (350 CID) V8/ 4-Bbl. - RPO LM1
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Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
Timing gear or chain	Centrifugally oiled from camshaft bearing	
	Pressure, jet cross sprayed	
Cylinder walls	Gear	
Oil pump type		
Normal oil pressure	220.6-275.8 (32-40)@2000	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part., other)	Full flow	
Capacity of c/case, less filter-refill	3.8 (4.0)	
Oil grade recommended (SAE viscosity and temperature range in °C)	(a)	
Engine service reqmt. (SD, SE, etc.)	SE	

Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single with crossover and single converter		
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		
Resonator No. & type	One, bottle type (b)		
Exhaust Pipe	Branch O. D., wall thickness	50.8 x 1.02 (2.0 x .040)	(mm)
	Main O. D., wall thickness	63.5 x 1.73 (2.5 x .068)	(mm)
Inter-mediate Pipe	Material	Laminated stainless steel tubing	
	O. D. & wall thickness	57.15 x 1.73 (2.25 x .068)	63.5 x 1.73 (2.5 x .068) (mm)
Tail Pipe	Material	Aluminized steel tubing	
	O.D. & wall thickness	50.8 x 1.40 (2.0 x .055)	57.15 x 1.80 (2.25 x .071) (c)
	Material	Aluminized stainless steel tubing	

- (a) -6.6°C & above (20°F & above) - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50
 -17.7°C to +15.5°C (0° to 60°F) - 10W, 5W-30, 10W-40, 10W-30
 -6.6°F & below (20°F and below) - 5W-20, 10W-30

- (b) Used with sedans and coupes.

- (c) Sedans and coupes with 3.08 ratio rear axle use
 63.5mm (2.50") pipe

L-6 - 4.1 L (250 CID) RPO L22	V-8 -5-0L(305 CID) RPO LG3	V-8 - 5.7L (350 CIL) RPO LMI
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Engine — Fuel System

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity	Sedans & Coupes - 79.5 (21.0); Station Wagon - 83.3 (22) (litres)	
	Filter location	Sedans & Coupes - Behind Hinged Rear License Plate (a)	
	Type (elec. or mech.)	Mechanical	
Fuel Pump	Locations	Lower Right Front of Engine	
	Pressure range	31.0-41.4 (4.5-6.0) 51.7-62.1 (7.5 - 9.0) (kPa)	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine Mesh Plastic Strainer in Gas Tank and	
	Locations	Paper Filter Element in Carburetor Inlet	
	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
Carburetor	Air cleaner type	Standard	Single Snorkel to Outside Ducted Air, Closed Paper Element
		Optional	
	Idle speed (spec. neutral or drive)	Manual	
		Automatic	
		Idle A/F mix.		550/D	500/D (rpm)

Carburetor Supplementary Information

Model Usage	Piston Displ. (litre)	Transmission	Carburetors		No. Used and Type	Barrel Size (mm)
			Make	Model (b)		
Sedans and Coupes	4.1	Automatic	Rochester	17058014 (17058314)	One; 1-bbl	42.9 (1.69)
All	5	Automatic	Rochester	17058108 (17058408)	One; 2-bbl	42.9 (1.69)
All	5.7	Automatic	Rochester	17058202 (17058502)	One; 4-bbl	35.0 (1.38 Pri.) 57.2 (2.25 Sec.)

NOTE: (a) Station Wagons - Left Rear Quarter Panel.
(b) Data Bracketed () pertains to Engine Application Specific to California.

4.1 L (250 CID) L6 1-Bb1. RPO L22	5.0L (305 CID) V8/ 2-Bb1. RPO LG3	5.7L (350 CID) V8/ 4-Bb1. RPO LM1
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Engine — Cooling System

Coolant recovery system (std., opt., none)		Standard	
Radiator cap relief valve pressure		103.4 (15 PSI)	(kPa)
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at	88.9-92.2 (192-198°F)	(°C)
Water pump	Type (centrifugal, other)	Centrifugal	
	litres/s @ 1000 rpm	79.5 (21 GPM)	
	Number of pumps	One	85.9 (22.7 GPM)
	Drive (V-belt, other)	V-belt	
Bearing type		Permanently lubricated double row ball	
By-pass recirculation type (inter., ext.)		Internal	
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)		Cross flow, tube & center	
Cooling system capacity	With heater	13.44 (14.2 qts.)	(litres)
	Without heater	15.70 (16.6 qts.)	(litres)
	Opt. equipment-specify		(litres)
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Number and type (molded, straight)	One, molded	
	Inside diameter	44.4 (1.75)	(mm)
	Number and type (molded, straight)	One, molded	
	Inside diameter	38 (1.50)	(mm)
By-pass	Number and type (molded, straight)	None	
	Inside diameter	- - -	(mm)
Standard	Width	718.8 (28.30)	
	Height	431.0 (16.97)	
	Thickness	31.5 (1.24)	
	Width	718.8 (28.30)	
A/C	Height	431.0 (16.97)	
	Thickness	31.5 (1.24)	
	Width	718.8 (28.30)	
Heavy duty	Height	431.0 (16.97)	
	Thickness	31.5 (1.24)	
	Width	718.8 (28.30)	
Fan (Standard)	Height	431.0 (16.97)	
	Thickness	31.5 (1.24)	49.8 (1.96)
	Number of blades & spacing	4	
	Diameter	447.5 (17.62)	483 (19.0)
Ratio (fan to crankshaft rev.)		1 165:1	1 284:1

L-6 - 4.1 Litre, V-8 - 5.0 Litre, V-8 - 5.7 Litre
 All states except Calif.
 above 4000 ft. Altitude

Vehicle Emission Control

Type (Air injection, engine modifications, other)		Engine Modifications
Air Injection Pump	Type	Manifold Air Injection
	Displacement	Semi-Articulated Vane
	Drive ratio	316.3 (19.3)
	Drive type	1.15:1
	Relief valve (type)	Crankshaft Pulley
Air Injection System	Filter (describe)	Diverter
	Air distribution (head, manifold, etc.)	Centrifugal Air Cleaner
	Point of entry	Exhaust Pipe
	Injection tube i.d.	Exhaust Pipe
	Check valve type	5.0 (27)
Exhaust Gas Recirculation System	Backfire protection (type)	Pressure Plate
	Type (controlled flow, open orifice, other)	Diverter Valve
	Valve type	Controlled Flow
	Valve location	Vacuum Modulated Shut-Off and Metering Valve
	Control energy source	L-6 - Left Front; V-8 - Right Rear of Inlet Manifold
Catalytic Converter System	Exhaust source	Carburetor Vacuum
	Exhaust cooler type	Manifold Exhaust Crossover
	Orifice no. and size	None
	Point of exhaust injection (spacer carburetor, manifold, other)	One: 0.74 (0.00)
		Inlet Manifold
Other	Catalyst Type	Picatinny - Picatinny
	Volume	4.0 (2.0)
	Substrate type	Alumina
	Container location	Beneath right front fender, side has Monolith Converter
		of 0.9 litre Volume for California - 1.0 Calif. Only.
Carburetor Hot-Air		Thermostatically controlled air cleaner regulates and mixes
		heated air with incoming cold air to reduce hydrocarbon emission.

L-6 - 4.1 Litre / 1-bb1. RPO L-22		V-8 - 5.0 Litre / 2-bb1 RPO LG-3	V-8 - 5.7 Litre / 4-bb1 RPO LM-1
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Vehicle Emission Control (Continued)

	Type (ventilates to atmos., induction system, other)	Standard		Induction System
		Make and model	Optional	
Crankcase Emission Control	Control Unit	Location		AC Spark Plug
		Energy source (manifold vacuum, carburetor, other)		Rocker Cover - L-6, Top Rear; V-8 - Left Front
		Control method (variable orifice, fixed orifice, other)		Manifold Vacuum
	Complete System	Discharges (to intake manifold, other)		Variable Orifice
		Air inlet (breather cap, other)		Intake Manifold
Evaporative Emission Control	Fuel Tank	Flame arrestor (screen, other)		Carburetor Air Cleaner
		Thermal expansion volume		Screen
		Relief pressure and location		Approximately 10% of Refill Capacity (dm ³)
		Vacuum relief and location		7.6 (1.1) (kPa)
		Vapor-liquid separator type		4.8 (0.7) (kPa)
	Carburetor	Vapor vented to (crankcase, canister, other)		Integral with Fuel Tank
				Canister
				Canister
	Vapor Storage	Vapor vented to (crankcase, canister, other)		Internally Vented
		Storage provision (crankcase, canister, other)		Canister
		Volume or capacity		Canister
	Control valve type	Approximately 50 grams storage capacity controlled by orifices and carburetor throttle body and throttle blade position.		
		(dm ³) (g)		

4.1 Litre (250 CID) L6/1-Bb1. RPO L22	5.0 Litre (305 CID) V8/2-Bb1. RPO LG3	5.7 Litre (350 CID) V8/4-Bb1. RPO LM1
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Electrical — Supply System

Battery	Make and Model	Delco Remy 85-4 "Freedom"		Delco Remy 85-5 "Freedom"
	Voltage Rtg. & Total Plates	12V, 2500 Watts		12V, 3200 Watts
	SAE Designation No. and/or capacity	60 Min. Reserve Capacity		80 Min. Reserve Capacity
	Location	Engine compartment, right front		
Generator or Alternator	Make	Delco Remy		
	Model	1102491		
	Type and rating	Diode rectified - 37		
	Output at engine idle (neutral)	12-20		
Regulator	Ratio—Gen. to Cr/s rev.	2.73:1		
	Make	Delco Remy		
	Model	- - -		
	Type	Micro circuit unit; integral with alternator		
Regulator	Regulated Voltage	13.8 - 14.8		
	Current	- - -		
	Temperature	Operating		
	Load	3 - 8		
Regulator	Other conditions	None		
	Regulated Voltage	13.8 - 14.8		
	Current	- - -		
	Temperature	Operating		
Regulator	Load	3 - 8		
	Other conditions	None		
	Regulated Voltage	13.8 - 14.8		
	Current	- - -		
Regulator	Temperature	Operating		
	Load	3 - 8		
	Other conditions	None		
	Regulator	Regulated Voltage	13.8 - 14.8	
Current		- - -		
Temperature		Operating		
Load		3 - 8		

Electrical — Starting System

Starting Motor	Make	Delco Remy	
	Model	1108774	1109056
	Engagement type	Positive shift solenoid	
	Pinion engages from (front, rear)	Rear	
Motor Drive	Pinion	9	
	Number of teeth	153	168
	Manual Flywheel	- - -	- - -
	Auto.	- - -	- - -

4.1 Litre (250 CID) L6/1-Bb1. RPO L22	5.0 Litre (305 CID) V8/ 2-Bb1. RPO LG3	5.7 Litre (350 CID) V8/4-Bb1. RPO LM1
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Electrical — Ignition System — Distributor

Distributor	Manual	- - -	- - - -	- - - -
	Automatic	1110715 (1110716)	● 1103282	1103353 (1103285)
Timing	Manual	- - -	- - - -	- - - - (°)
	Automatic	10° (6°)	4° (6°)	6° (8°) (°)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa	
	Start	Intermediate	Maximum	Start	Maximum
1110715	0@1000	7@1600	20@4200	0@13.5	24@50.7
1110716	0@1000	7@1600	20@4200	0@13.5	15@40.5
1103282	0@1000	10@1700	20@3800	0@13.5	20@33.8
1103353	0@1100	12@1600	22@4600	0@13.5	20@33.8
1103285	0@1200	12@2000	22@4200	0@13.5	10@27.0

Data in brackets () are specific to the State of California.

4.1 Litre (250 CID) L6/1-Bb1. RPO L22	5.0 Litre (305 CID) V8/2Bb1. RPO LG3	5.7 Litre (350) V8/4Bb1. RPO LM
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Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.		- - -
	Transistorized - Std., Opt., N.A.		- - -
	Other (specify)		
Coil	Make	High Energy Ignition System (H.E.I.)	
	Model	Delco Remy	
	Current	Integral with distributor cap	
	Engine stopped		
	Engine idling		
Spark Plug	Make	A. C. Spark Plug	
	Model	R46TS	R45TS
	Thread	14 (.055)	(mm)
	Tightening torque	33.9 (25lb.ft.)	(N-m)
	Gap	0.89 (.035)	1.14 (.045) (mm)

Electrical—Suppression

Locations & type	Non metallic high tension ignition cables.
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Electrical—Instruments and Equipment

Speedometer	Type	Rectangular Dial with Pointer
	Trip odometer (std. opt., N.A.)	Optional
EGR maintenance indicator		N/A
Charge Indicator	Type	Tell-Tale
	Warning device	N/A
Temperature Indicator	Type	Tell-Tale
	Warning device	N/A
Oil pressure Indicator	Type	Tell-Tale
	Warning device	N/A
Fuel Indicator	Type	Electric Gauge
	Warning device	N/A
Windshield Wiper	Type - standard	Electric, Two-Speed
	Type - optional	Intermittent Control Type - Optional
	Blade length	457.2 (18.0 in.) (mm)
	Swept area	Coupes 6770 (1049.6 in. ²) Sedans & Wagons 6107 (946.8 in. ²)
Windshield Washer	Type - standard	Push Button
	Type - optional	None
	Fluid level indicator	N/A
Horn	Type	Vibrator
	Number used	One (1) on 1980 Models

4.1L (250 CID) L6/ 1-Bb1. RPO L22	5.0L (305 CID) V8/ 2-Bb1. RPO LG3	5.7L (350 CID) V8/ 4-Bb1. RPO LM1
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Drive Units—Clutch (Manual Transmission)

Make & type	
Type pressure plate springs	
Total spring force	(N)
No. of clutch driven discs	NOT
Material	
Manufacturer	
Part Number	APPLICABLE
Rivets/Plate	
Rivet size	(mm)
Outside & inside dia.	(mm)
Total eff. area	(cm²)
Thickness	(mm)
Engagement cushioning method	
Type & method of lubrication	
Methods: springs, friction material	
Release bearing	
Torsional damping	

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	N.A.
Manual 4-speed (std., opt., N.A.)	N.A.
Manual 5-speed (std., opt., N.A.)	N.A.
Manual overdrive (std., opt., N.A.)	N.A.
Automatic (std., opt., N.A.)	Standard

Drive Units — Manual Trans.

Number of forward speeds	
In first	
In second	
In third	
In fourth	TRANSMISSION
In fifth	
In reverse	
Synchronous meshing, specify gears	NOT
Shift lever location	
Capacity (pt.)	APPLICABLE (litres)
Type recommended	
SAE viscosity number	Summer
	Winter
	Extreme cold

L-6 - 4.1 Litre (250 CID)-RPO L-22	V-8 - 5.0 Litre (305 CID)-RPO LG3	V-8 - 5.7 Litre (350 CID)-RPO LM1
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Drive Units—Automatic Transmission

Trade name	3-Speed Automatic	
Type (describe)	Torque Converter with Planetary Gears	
Selector location	Lever - Steering Column	
Gear Ratios	P	Park
	R	1.93
	N	Neutral
	D	2.52 - 1.52 - 1.00
	L2	2.52 - 1.52
Max upshift speed - drive range	L1	2.52
		2.74
		2.07
Max kickdown speed - drive range		2.74 - 1.57 - 1.00
		2.74 - 1.57
Number of elements		3
		3
Torque Converter	Max ratio at stall	2.0
	Type of cooling (air, liquid)	Liquid
Lubricant	Nominal diameter	298.4 (11.75)
	Capacity - refill	3.8 (8)
Special transmission features	Type recommended	Dexron II

Drive Units—Axle

Type (front, rear)	Rear	
Description	Semi-floating Axles, Overhung Hypoid Drive Pinion and Ring Gear	
Limited Slip differential, type	Disc Clutch	
Drive Pinion Offset	38 (1.50)-7.50; 44 (1.75)-8.5 & 8.75 O.D., Vertical (mm)	
No. of differential pinions	Two	
Pinion adjustment (shim, other)	Shim	
Pinion bearing adj (shim, other)	Collapsible Sleeve	
Wheel bearing type	Direct or Single Row Cylindrical	
Capacity	1.5 (3.25) - 191 mm; 1.9 (4.0) - 216 and 222 mm (litres)	
Type recommended	GL-5 Gear Lubricant	
Lubricant	80W - 90	
	80W - 90	
	80W - 90	

Axle Ratio Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio	2.41	2.41	2.73	3.08	2.56	3.08
No. of teeth	17 41	17 41	15 41	13 40	16 41	13 40
Ring Gear O D	191 (7.50)	216 (8.50)			222 (8.75)	

Engine	Series			Body Style			Ring gear Dia. (mm)
	Impala	Caprice		Coupe	Sedan	St. Wagon	
4.1 Litre	x	x		x	x		216
	x						
5.0 Litre	x			x	x		191* & 216
		x		x			
	x	x			x	x	
5.7 Litre	x	x		x	x		191* 222
	x						

* - Ring gears for limited slip axle - 216 mm.

7.50 in. Ring Gear

8.50 & 8.75 in. Ring Gear

Drive Units—Propeller Shaft

Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube	
Outer diam x length* x wall thickness	Manual 3-speed trans.	Not Applicable	(mm)
	Manual 4-speed trans.	N.A.	(mm)
	Manual 5-speed trans.	N.A.	
	Overdrive	N.A.	
	Automatic transmission	76.2 x 1489.2 x 1.65 (3.0 x 58.63 x .065)	76.2 x 1464.2 x 1.65 (3.0 x 57.65 x .065) (mm)
Inter- mediate bearing	Type (plain, anti-friction)	None	.
	Lubrication (fitting, prepack)	- - -	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
Universal joints	Spline O. D.	29.858 - 29.883 (1.1755 - 1.1765)	29.845 - 29.850 (1.1750 - 1.1752) (mm)
	Make and Mfg. No.	Saginaw 44	
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach. (u-bolt, clamp, etc.)	Strap & Bolt	
Drive taken through (torque tube or arms, springs)	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepack
Torque taken through (torque tube or arms, springs)	Drive taken through (torque tube or arms, springs)		Control Arm
	Torque taken through (torque tube or arms, springs)		Control Arm

*Center to center of universal joints, or to centerline of rear attachment.

Sedan and Coupes	V-6	Station Wagons
L6		

Drive Units — Tires And Wheels (Standard)*

TIRES	Size, load range, ply	FR78-15 (B/W, W/S)	HR78-15 (B/W, W/S)
	Type (bias, radial, etc.)	Glass-belt radial	Steel belted radial
Inflation pressure (cold) for recommended max. vehicle load	Front	193 (28)	165 (24)
	Rear	193 (28)	221 (32)
Rev./km@ 70 km/h		484 @ 72 (779 @ 45)	462 @ 72 (744 @ 45)
Type & material		Short spoke disc, steel	
Rim (size & flange type)		15 x 6 JJ	15 x 7 JJ
Wheel offset		12.7 (0.50)	7.5 (0.30)
Attachment	Type (bolt or stud)	STUD	
	Circle diameter	120.6 (4.75)	127.0 (5.00)
	Number & size	5-7/16-20 UNF-2B hex nuts	5-1/2-20 UNF-2B hex nuts
Spare wheel (same or other)		Same	

Drive Units — Tires And Wheels (Optional)*

Size, load range, ply	FR78-15 (B/W, W/S)
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	Short spoke disc, steel
Rim (size, flange type, and offset)	15x7 JJ; 0.030 (A)
Size, load range, ply	GR78-15
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	GR70-15 (W/S)(A)
Type (bias, radial, etc.)	Steel belted radial
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	
Type (bias, radial, etc.)	
Wheel type & material	
Rim (size, flange type, and offset)	
Size, load range, ply	
Type (bias, radial, etc.)	
Wheel type & material	
Rim (size, flange type, and offset)	

Brakes — Parking

Type of control	Foot pedal apply; 'T' handle release
Location of control	Under instrument panel, left of steering column
Operates on	Rear service brakes
If separate from service brakes	---
Type (internal or external)	---
Drum diameter	---
Lining size (length x width x thickness)	---

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	---
	Rear	Standard	
Self adjusting (std., opt., N.A.)	Disc	Front	---
	Rear	Standard	
Special Valving	Type (proportion, delay, metering, other)		
Power Brake (std., opt., N.A.)	Standard		
Booster Type (remote, integral, etc.)	Integral		
Effective area *	648.3 (100.52)	717.0 (111.17)	(cm ²)
Gross lining area **	716.6 (111.1)	792.1 (122.8)	(cm ²)
Swept area ***	2127.3 (329.8)	2419.7 (375.14)	(cm ²)
Drum	Diameter (nominal)	241.3 (9.5)	(mm)
	Rear	279.4 (11.0)	(mm)
Rotor	Type and material	Cast iron, finned	
	Outer working diameter	279.4 (11.0)	(mm)
	Inner working diameter	177.8 (7.0)	(mm)
	Thickness	26.2(1.03)	(mm)
Wheel cyl.-in-der bore	Material & type (vented/solid)	Cast iron, vented	
	Front	74.7 (2.9375)	(in)
	Rear	23.812 (.9375)	(in)
	Bore	28.57 (1.125)	(mm)
Master Cylinder	Stroke	39.62 (1.56)	(mm)
	Pedal arc ratio	3.5:1	(MPa)
Line pressure at 445 N pedal force	Shoe	Self Adjusting	(mm)
	Clearance	Self Adjusting	(mm)
Anti-skid device type (std., opt., N.A.)	N.A.		
	Bonded or riveted, rivets/seg	Riveted	
Rivet size	Front - 5.33 x 9.12 (.210 x .359); rear - 3.6x6.35(.143x.250)		
Manufacturer	Delco Moraine		
Part number			
Front Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	137.2 x 48.8 x 11.81 (5.40 x 1.92 x .465)	(mm)
	Prim. or out-board		(mm)
	Second. or in-board		(mm)
Brake lining	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
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	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)
	Prim. or out-board	225.0 x 50.8 x 5.6	(in)
	Second. or in-board	(8.86 x 2.0 x .22)	(mm)
Shoe thickness	Segments per shoe	One	
	Shoe thickness	Inboard - 15.75(.620); Outboard - 14.0(.550)	(mm)
Rear Wheel	Material	Molded Asbestos	(mm)
	Size (length x width x thickness)	192.5 x 50.8 x 4.98	(mm)

Sedans & Coupes	Station Wagons
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Steering

Manual (std., opt., NA)		N.A.	
Power (std., opt., NA)		Standard	
Adjustable steering wheel (lift, swing, other)	Type and description	Tilt - Universally jointed steering shaft at base of steering wheel.	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	- - -	
	Power	387.3 (15.25)	
Turning diameter	Outside front	13.58 (44.55)	13.75 (45.11)
	Inside rear	Curb to curb (l. & r.)	12.08 (39.63)
		Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	
Manual	Type		
	Make		
	Gear Ratios		
	Overall		
Power	No. wheel turns (stop to stop)		
	Type (coaxial, linkage, etc.)	Integral gear with power piston and vane type pump	
	Make	Saginaw steering gear	
	Type	Semi-reversible, recirculating ball nut	
Gear	Gear Ratios	14.0:1	16.0:1 on center
	Overall	16.45:1	18.8:1 on center
	Pump driven by	Crankshaft Pulley	
	No. wheel turns (stop to stop)	3.16	3.30
Linkage	Type	Parallelogram	
	Location (front or rear of wheels, other)	Front of wheels	
	Drag link (trans. or longit.)	None	
	Tie rods (one or two)	Two	
Steering Axis	Inclination at camber	9.785 @ 1°	
	Bearings (type)	Ball stud with non-metallic surfaces	
	Upper	Ball stud with non-metallic surfaces	
	Lower	Ball stud with non-metallic surfaces	
Whl. Align. (range at curb mass & preferred)	Thrust	None	
	Caster	+3.0±1.0	
	Camber	+0.8±0.8	
	Toe-in (outside track)	+0.12±0.12	
Steering spindle & joint type			
Wheel Spindle	Inner bearing	31.7 (1.25)	
	Outer bearing	19.0 (0.75)	
	Thread size *	3/4 - 20	
	Bearing type	Taper Roller	
Service checking	Caster (deg.)	+2° to +4°	
	Camber (deg.)	0° to +1.6°	
	Toe-in (outside)	+0.5 to +.25°	

Sedans and Coupes	Station Wagons
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Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar
Provision for brake dip control	Front Suspension geometry
Provision for acc. squat control	Rear Suspension geometry
Special provisions for car jacking	Position jack in bumper slot on lower face of front and rear bumpers
Shock absorber front & rear	Direct double acting hydraulic
Type	
Make	Delco
Piston dia.	27.0 (1.06)
Other special features	Air booster shock absorbers optional on rear of vehicles

Suspension — Front

Type and description	Independent - SLA type with coil springs
Travel	Full Jounce (mm) 90.4 (3.56)
	Full Rebound (mm) 107.7 (4.24)
	Type (coil, leaf, other) Coil
	Material Steel Alloy
Spring	Size (coil design height & I.D., bar length x dia.) (A) 241.3 x 114.3 x 274.3 x 15.2 (9.5 x 4.5 x 108.0 x .60) 241.3 x 114.3 x 274.3 x 16.8 (9.5 x 4.5 x 108.0 x 0.66)
	Spring rate (A) 52.5 (300) 77.0 (440)
	Rate at wheel 15.3 (87) 22.0 (125)
	Type (link, linkless, frameless) Link
Stabilizer	Material & bar diameter Steel; 26 (1.00) Steel; 28 (1.10)
	Steel; 29 (1.14) (b) - - -

Suspension — Rear

Type and description	Salisbury 4-link type with coil springs
Drive and torque taken through	Control arms
Travel	Full Jounce (mm) 122.7 (4.83)
	Full Rebound (mm) 116.3 (4.58)
	Type (coil, leaf, other) Coil
	Material Steel Alloy
Spring	Size (length x width, coil design height & I.D., bar length & dia.) (A) 254.0 x 139.7 x 2428.2 x 12.8 (10.0 x 5.5 x 95.6 x .504) 254.0 x 139.7 x 2585.7 x 15.5 (10.0 x 5.5 x 101.8 x .609)
	Spring rate (A) 17.5 (100) 29.0 (165)
	Rate at wheel 18.9 (108) 28.7 (164)
	Mounting insulation type
	If No. of leaves - - -
	Shackle (comp. or tens.) - - -
Stabilizer	Type (link, linkless, frameless) Link
	Material & bar diameter Steel - 21.8 (0.86) (b) - - -
Track bar type	- - -

4-Door Sedans	2-Door Coupes	Station Wagons
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Frame

Type and description (Separate frame, unitized frame, partially - unitized frame)

Perimeter type, two cross members

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	Lacquer
Hood counterbalanced (yes, no)	Yes
Hood release control (internal, external)	Internal
Vehicle indent. No. location	Top left hand of instrument panel pad.
Theft protection - type	Lock mounted on steering column; locks steering wheel, transmissic shift levers and ignition.
Vent window control method (crank, friction pivot, power)	None
	None
Seal cushion type	Formed full foam pad
	Formed full foam pad
	Formed full foam pad
Seal back type	Formed full foam pad
	Formed full foam pad
	Formed full foam pad
Windshield glass type	Curved - Laminated plate
Side glass type	Curved - Tempered plate
Backlight glass type	Curved - Tempered plate
Windshield glass exposed surface area	8619 (1336.3 in ²) (cm ²)
Side glass exposed surface area	11998 (1860.1 in ²) 10885 (1687.6 in ²) 19952 (3093.3 in ²) (cm ²)
Backlight glass exposed surface area	7525 (1166.7 in ²) 7564 (1172.7 in ²) 4661 (722.6 in ²) (cm ²)
Total glass exposed surface area	28142(4363.1 in ²) 27068 (4196.6 in ²) 33232 (5152.2 in ²) (cm ²)

4-Door Sedans	2-Door Coupes	Station Wagons
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Convenience Equipment

	Side windows	
	Power windows	Vent windows
	Backlight or tailgate	
Power seats (specify type as well as availability)	Optional - 6 way 50/50 power bench seat (left only), all models. - 6 way power bench, all models.	Optional
Reclining front seat back (R-L or both)	N.A.	N.A.
Radios (specify type as well as availability)	Optional - AM push-button, AM/FM, (2) included in stereo unit. AM stereo with Tape, AM/FM stereo with tape	Optional
Rear seat speaker	(1) Optional with AM & AM/FM, (2) included in	Optional
Power antenna	Standard 1BN00 models, Optional 1BL00 models.	
Clock	Optional - "Four Season", manual controls.	
Air conditioner (specify type and availability)	Optional - "Comfortron", Automatic temperature control.	
Speed warning device	N.A.	
Speed control device	Optional	
Ignition lock lamp	N.A.	
Dome lamp	Standard	
Glove compartment lamp	Standard	
Luggage compartment lamp	Standard	Optional-Rear Compt.
Underhood lamp	Optional	
Courtesy lamp	Standard 1BN00 models, Optional 1BL00 models.	
Map lamp	N.A.	
Cornering lamp	N.A.	
Rear window defroster electrically heated	Optional	
Rear window defogger	Optional	
Theft protection - type	Optional	
Windshield antenna	Included with factory installed radio, also available w/o radio.	
	Optional	

Lamps and Headlamp Shape*

	Headlamp (H125)	Highest**	
		Lowest	
Height above ground to center of bulb or marker	Tail (H126)	724.7 (28.5 in.)	727.5 (28.7 in.)
		- -	- -
	Sidemarkers	671.7 (26.4 in.)	671.2 (26.4 in.)
		711.5 (28.0 in.)	588.7 (23.2 in.)
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside**	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

Model	CURB MASS * (kg)			% PASS MASS DISTRIBUTION				SHIPPING MASS ** (kg)
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
IMPALA								
4-door Sedan-1BL69(a)	897	745	1642					1592
	(1978)	(1642)	(3620)					(3510)
2-door Coupe-1BL47(a)	891	741	1632					1582
	(1964)	(1634)	(3598)					(3488)
4-door, 2-seat Station Wagon-1BL35 (b)	915	960	1875					1823
	(2017)	(2116)	(4133)					(4019)
CAPRICE CLASSIC								
4-door Sedan-1BN69(a)	912	755	1667					1617
	(2011)	(1664)	(3675)					(3565)
2-door Coupe-1BN47(a)	901	751	1652					1602
	(1986)	(1656)	(3642)					(3532)
4-door, 2-seat Station Wagon-1BN35(b)	923	973	1896					1844
	(2035)	(2145)	(4180)					(4065)
(a) with L6-250 Cu. In. Engine								
(b) with V8-305 Cu. In. Engine								
Curb weight - The calculated weight of a vehicle with standard equipment only as designed with the additional load of oils, lubes, coolants, and fuel all filled to capacity.								
Shipping weight: Same as base curb weight except 3 gallons of gasoline.								

Optional Equipment Mass

Equipment Differential Mass	MASS (kg)			Remarks
	Front	Rear	Total	
Air Conditioning Comfortron	29.5 (+ 65)	2.3 (+ 5)	31.8 (+ 70)	With 6 Cylinder engine
	37.2 (+ 82)	2.3 (+ 5)	39.5 (+ 87)	With V8 Engine
Air Conditioning 4-Season	28.6 (+ 63)	1.8 (+ 4)	30.4 (+ 67)	With 6 Cylinder Engine
	36.3 (+ 80)	1.8 (+ 4)	38.1 (+ 84)	With V8 Engine
Electric Door Locks	0.9 (+ 2)	0.9 (+ 2)	1.8 (+ 4)	2-Door Models
	1.8 (+ 4)	1.4 (+ 3)	3.2 (+ 7)	4-Door Models
Power Frt. Bench Seat	4.5 (+ 10)	4.1 (+ 9)	8.6 (+ 19)	
Door mats front & Rear	1.4 (+ 3)	1.8 (+ 4)	3.2 (+ 7)	
Vinyl Roof Cover(padded)	0.9 (+ 2)	1.4 (+ 3)	2.3 (+ 5)	
Power Windows	2.3 (+ 5)	1.4 (+ 3)	3.7 (+ 8)	2-Door Models
	4.1 (+ 9)	4.5 (+ 10)	8.6 (+ 19)	4-Door Models
Heavy duty Front & Rear Suspension	3.2 (+ 7)	10.9 (+ 24)	14.1 (+ 31)	
Wheel Trim Covers	1.6 (+ 3.5)	1.6 (+ 3.5)	3.2 (+ 7)	
Bumper Impact Strips	0.7 (+ 1.5)	0.7 (+ 1.5)	1.4 (+ 3)	

Optional Equipment Mass

[illegible]

Body Type

4-Door Sedans

2-Door Coupes

Station Wagons

Vehicle Fiducial Marks

Fiducial Mark
Number *

Define Coordinate Location

(mm)

Front

X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-FRONT, MEASURED HORIZONTALLY FROM THE BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Y - FIDUCIAL MARK TO CENTERLINE OF CAR-FRONT, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE-FRONT, MEASURED VERTICALLY FROM BASE GRID LINE TO FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Rear

X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-REAR MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.

Y - FIDUCIAL MARK TO CENTERLINE OF CAR-REAR, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON THE REAR UNDERBODY CROSSBAR.

Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE-REAR, MEASURED VERTICALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.

Fiducial
Mark
Number

Coordinate Location of
Fiducial Mark

(mm)

Fiducial Mark
to Ground
at Curb

(mm)

X

Y

Z

754 (29.7)
754 (29.7)
754 (29.7)

564 (22.2)
564 (22.2)
564 (22.2)

9 (.4) COUPES
9 (.4) SEDANS
9 (.4) WAGONS

330 (13.0in)
330 (13.0in)
330 (13.0in)

Front

3 533
3 533
3 440

(139.1)
(139.1)
(135.4)

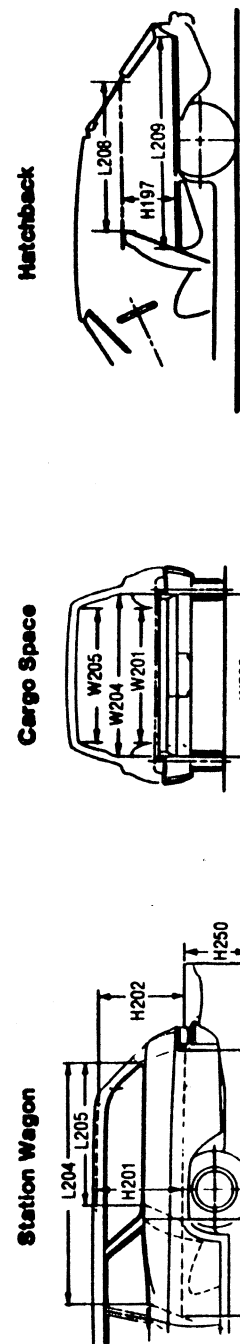
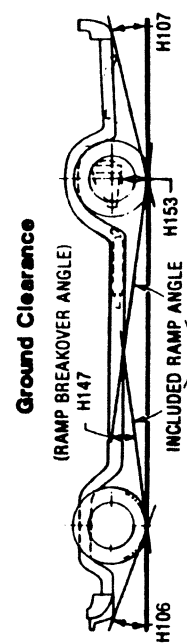
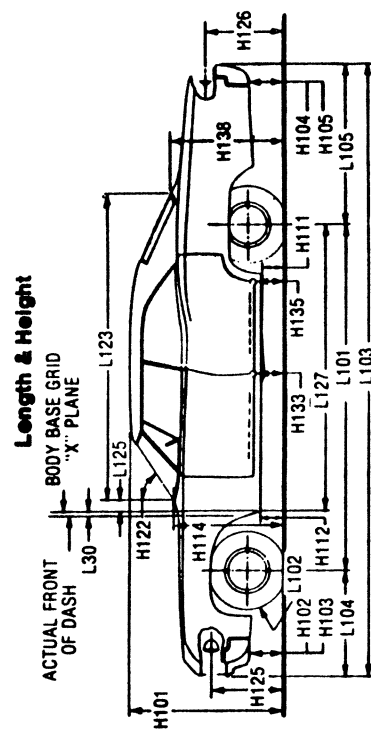
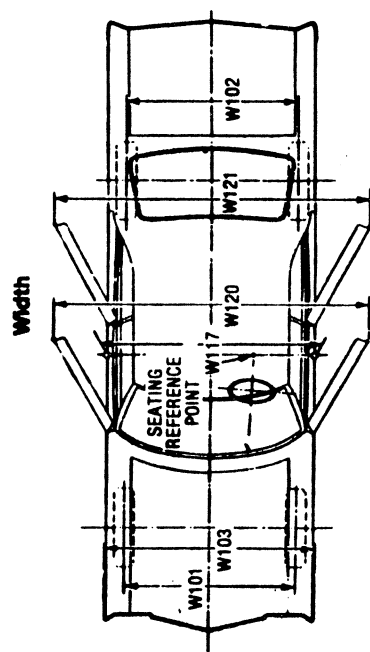
254 (10.0)
254 (10.0)
302 (11.9)

86 (3.4) COUPES
86 (3.4) SEDANS
-34 (-1.3) WAGONS

432 (17.0in)
432 (17.0in)
432 (17.0in)

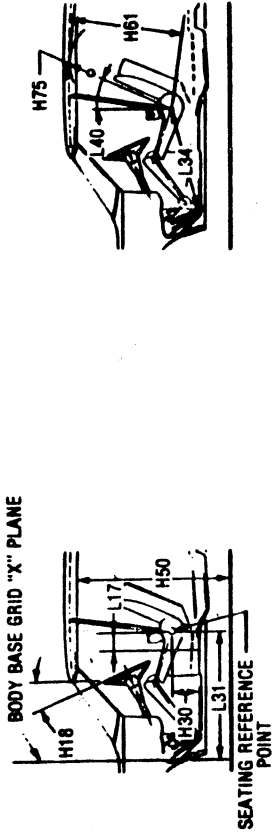
Rear

Exterior Car And Body Dimensions — Key Sheet

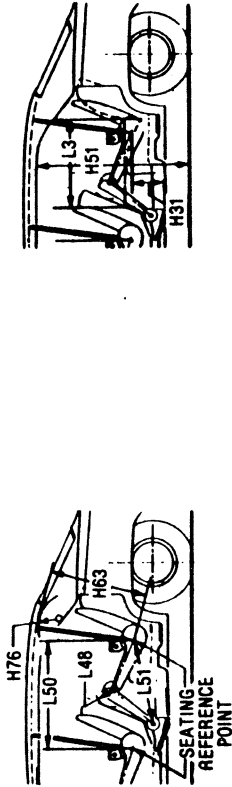


Interior Car And Body Dimensions – Key Sheet

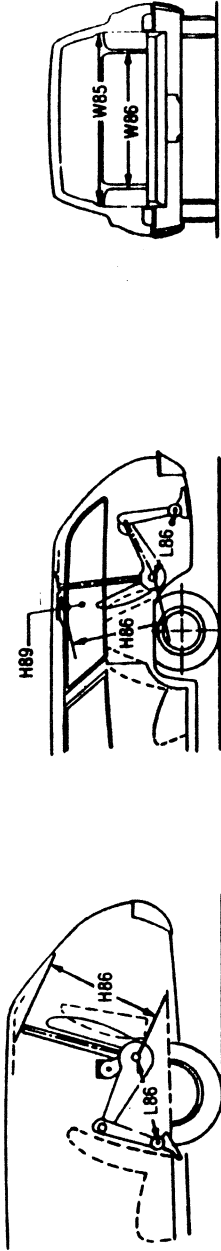
Front Compartment



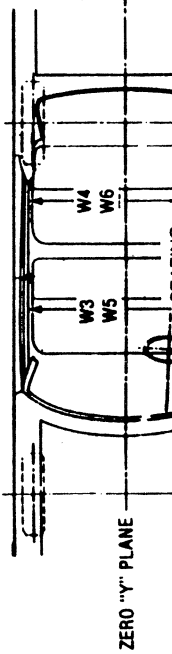
Rear Compartment



Third Seat



Interior Width



L3 **COMPARTMENT ROOM — SECOND.** The dimension measured horizontally from the back of front seat to the front of second seatback at a height tangent to the top of the second seat cushion.

Exterior Car And Body Dimensions — Key Sheet

Dimension Definitions

Width Dimensions

W101	TREAD — FRONT. The dimension measured between the tire centerlines at the ground.
W102	TREAD — REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
W103	VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
W117	BODY WIDTH AT SGRP — FRONT. The dimension measured laterally between the widest points on the body at the SGRP - front, excluding door handles, applied moldings, or appliques.
W120	VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
W121	VEHICLE WIDTH — REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "y" plane.

Length Dimensions

L30	FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash is forward of the zero "x" plane.
L101	WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
L102	TIRE SIZE. As specified by the manufacturer.
L103	VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
L104	OVERHANG — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
L105	OVERHANG — REAR. The dimension measured longitudinally from the centerline of the rear wheels, or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.
L123	UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
L127	REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.
L125	COWL POINT "X" COORDINATE.

Height Dimensions

H101	VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
H114	COWL POINT TO GROUND. Measured at zero "y" plane.
H138	DECK POINT TO GROUND. Measured at zero "y" plane.
H112	ROCKER PANEL — FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of

H132	BOTTOM OF DOOR OPEN — FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
H111	ROCKER PANEL — REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
H134	BOTTOM OF DOOR OPEN — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
H135	BOTTOM OF DOOR CLOSED — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
H122	WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.
H125	HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
H126	TAILLAMP TO GROUND. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

H102	FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
H103	FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
H104	REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
H105	REAR BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
H147	REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

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Interior Car And Body Dimensions — Key Sheet

Dimension Definitions

W201	CARGO WIDTH — WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.	
W203	REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.	
W204	REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.	
W205	REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.	
H201	CARGO HEIGHT. The dimension measured vertically from the top of the underessed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.	
H202	REAR OPENING HEIGHT. The dimension measured vertically from the top of the underessed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.	
H250	TAILGATE TO GROUND (CURB WEIGHT). The dimension measured vertically from the top of the underessed floor covering on the lowered tailgate to ground on the zero "Y" plane.	
V2	STATION WAGON.	$\frac{W4 \times H201 \times L204}{1728} - Ft.^3$ Measured in inches:
		$\frac{W4 \times H201 \times L204}{10^9} - m^3(cubic\ meter)$ Measured in mm:
V4	HIDDEN CARGO VOLUME. As specified by the manufacturer.	
H197	FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the underessed floor covering.	
L208	CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.	$\frac{L208 + L209}{2} \times W4 \times H197$ Measured in inches:
L209	CARGO LENGTH AT FLOOR — FRONT — HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.	$\frac{L208 + L209}{2} \times W4 \times H197$ Measured in mm:
V3	HATCHBACK.	$\frac{L208 + L209}{2} \times W4 \times H197$ Measured in inches:
		$\frac{L208 + L209}{2} \times W4 \times H197$ Measured in mm:

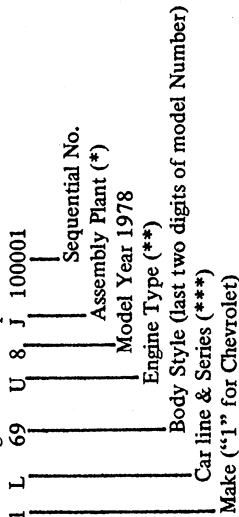
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BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
B-CAR	IMPALA	4-Dr. Sedan	1BL69	6
		2-Dr. Coupe	1BL47	6
		4-Dr. Station Wagon	1BL35	2-Seat*
	CAPRICE CLASSIC	4-Dr. Sedan	1BN69	6
		2-Dr. Coupe	1BN47	6
		4-Dr. Station Wagon	1BN35	2-Seat*

*Third seat available -- RPO AQ4.

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation



- *J - Janesville-GMAD S - St. Louis-GMAD
- #1 - Oshawa-Canadian Plt. C - Southgate-GMAD
- D - L6-250 (110 H.P.)
- **U - V8-305 (145 H.P.)
- L - V8-350 (170 H.P.)
- ***L - Impala Models N - Caprice Classic

EXAMPLE: The twenty-fifth Chevrolet vehicle built at GMAD Janesville if it were a 1BL69 model (Impala Sedan) with a V8-305 (145 H.P.) engine would bear VIN number 1L69U8J100025.

Location Stamped on plate attached to top left hand of instrument panel.

TRANSMISSION IDENTIFICATION

Example: S8E01

Type	Source	Model Year	Production ^o
Designation	Designation	1978	Month & Date
WK	Y (Toledo)	8	E01D*
WK	3-Speed Auto.	L-6 engine	D - Parma Y - Toledo
AG	3-Speed Auto.	V-8 engine	D - Parma Y - Toledo

Location:
3-Speed Automatic Stamped on right side of transmission, above filler plug.

o-Month: E denotes May; (see below) 01 denotes 1st day Alpha Characters used in identifying the calendar Month

- A - January D - April K - July R - October
- B - February E - May M - August S - November
- C - March H - June P - September T - December

*The letter "D" or "N" following the date numerals indicates day or night shift.

ENGINE IDENTIFICATION

Example: F1210CCK

Source	Production*	Type
Designation	Month & Date	Designation
F (Flint)	1210	CCK

250 Cubic Inch L-6, Base Engine

CCK - Regular production engine, 3-Speed Automatic

305 Cubic Inch V-8 engine (RPO LG3)

CTL - Optional, 3-Speed Automatic, 2-bbl. carb.

350 Cubic Inch V-8 engine, (RPO LM1)

CHF - Optional, 3-Speed Automatic, 4-bbl. carb.

Location:

- 6-cylinder engine stamped on pad on right side of cylinder block to rear of distributor.
- 8-cylinder engine Stamped on pad at front right side of cylinder block

*-Month: December, 12; 10th day of December, 10

REAR AXLE IDENTIFICATION

- 2GF - 2.41 Axle
- 2YU - 2.56 Axle
- 2NC - 2.73 Axle
- 2NF - 3.08 Axle

Location, Identification Number Bottom left or right of axle tube adjacent to carrier housing.

See Power Train section for additional Information.

STANDARD EXTERIOR EQUIPMENT SEDANS AND COUPES

	Impala	Caprice Classic
FRONT		
Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps		X
Parking Lamps Mounted Under Headlights	X	
Bright Upper and Lower Grille, Caprice Emblem on Header Panel	X	X
Argent Grille, Bow Tie Emblem on Header Panel	X	
Bright Headlamp Bezels on Header Panel	X	X
'Chevrolet' Script on Left Side of Grille	X	X
Bright Grille Frame Moldings	X	X
Bright Fender and Hood Moldings	X	X
SIDE		
Fender Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
'Impala' Script on Sail Panel	X	
'Caprice Classic' Nameplate on Sail		X
Rectangular 5" Outside L.H. Rear View Mirror	X	X
Rocker Panel Moldings—Bright	X	
Bright Body Side Lower Molding Paint Filled		X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Flush Door Handle—Bright	X	X
Bright Door Belt Molding	X	X
Wheel Trim Covers	O	X
Hub Caps	X	
Bright Roof Drip Moldings	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings	O	X
Vinyl Top or Two-Tone Paint Molding	O **	O
Quarter Window Reveal Molding Bright and Painted	47	47
Bright Quarter Lower Molding Paint Filled		X
REAR		
Deck Lid Nameplate—"Chevrolet"	X	X
Rear Window Reveal Molding—Bright	X	X
Four Tail and Stop Lamps and Two Back-Up Lamps	X	
Six Tail and Stop Lamps and Two Back-Up Lamps		X
Caprice Crest Lock Cover		X

O Optional Usage

** Color keyed to top.

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	Impala	Caprice Estate
FRONT		
Bright Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps	X	X
Parking Lamps Mounted Under Headlights		
Bright Upper and Lower Grille, Caprice Emblem on Header Panel	X	X
Argent Grille, Bow Tie Emblem on Header Panel	X	X
Bright, Headlamp Bezels	X	X
'Chevrolet' Script on Left Side of Grille	X	X
Bright Grille Frame Moldings	X	X
Bright Fender and Hood Moldings	X	X
SIDE		
Fender Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
Rectangular 5" Outside L.H. and R.H. Rear View Mirror	X	X
Bright Rocker Panel Moldings	X	X
Bright Roof Drip Moldings	X	X
Wheel Trim Covers	O	X
Hub Caps	X	X
Bright Flush Door Handle	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings	O	X
Bright Rear Painted Quarter Window Reveal Molding	X	X
Body Side Wood-Grain Applique and Border Moldings	X	O
Rear Quarter Series Nameplate	X	X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Bright Two-Tone Paint Molding	O	O
Bright Door Belt Molding	X	X
Sail Panel Emblem	X	X
REAR		
Tailgate Nameplate—"Chevrolet"	X	X
Tailgate Wood-Grain Applique and Border Molding		O
Bright Tailgate Opening Molding	X	X
Bright Tailgate Belt and Weatherstrip Moldings	X	X
Bright Trimmed Single Tail, Stop and Back-Up Lamps	X	X
Bright Tailgate Handle	X	X
Bright Electric Tailgate Window Control	X	X
Tailgate Molding — Black PVC with Bright Mylar Insert	X	X
Tailgate Molding — Argent PVC with Bright Mylar Border	O	
Tailgate Emblem — Bow Tie	X	
Tailgate Emblem — Caprice Crest		X
Tailgate Lower Molding		X

O Optional Usage

STANDARD INTERIOR EQUIPMENT SEDANS AND COUPES

INSTRUMENT PANELS AND STEERING WHEELS		Impala	Caprice Classic
Glove Compartment Light	.....	X	X
Cigarette Lighter	.....	X	X
Clock, Electric	.....	O	X
Clock Hole Cover	.....	X	
Instrument Panel Knobs Bright with Rosewood Insert	.....	X	X
Instrument Panel Pad—Upper	.....	X	X
Instrument Panel Upper Trim Plate with Series Nameplate	.....	X (a)	X (b)
Instrument Cluster Bright and Rosewood Trim	.....	X	X
Ash Tray — Illuminated	.....	O	X
Ash Tray Face Plate—Painted	.....	X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control	.....	X	X
Upper Ventilation Outlets and Controls—Black	.....	X	X
Instrument Panel Courtesy Lights	.....	O	X
Turn Signal and Shift Lever Knobs—Color Keyed	.....	X	X
Steering Column Ignition Lock	.....	X	X
Steering Wheel, Soft Vinyl Shroud and Rim — Shroud Insert	.....	X	X
Rosewood Grain Insert Around Wheel on IBN	.....	X	X
Color-Keyed Steering Wheel, Shroud, and Column	.....	X	X
Instrument Panel Rosewood Grain Trim and Bright (Upper Area)	.....	X (d)	X (d)
Dual Horns	.....	O	X
Single Horn	.....	X	
Audio and Visual Lap Belt Warning System	.....	X	X
Radio and Heater Control Trim Plate	.....	X (e)	X (e)
GLASS			
Windshield, Laminated Safety Plate Glass	.....	X	X
Backlight Safety Solid Plate Glass	.....	X	X
Side Windows, Safety Solid Plate Glass	.....	X	X
O Optional usage			

- (a) Bright, Impala script on instrument panel (no trim plate)
 (b) Bright, Caprice Classic name on black hi-gloss trim plate
 (d) Switch and glove box area (Rosewood and bright, Caprice) (cross grain texture & bright, Impala)
 (e) Rosewood on Caprice and cross grain texture on Impala in colors.

NOTE: Rosewood is Hi-Gloss.

STANDARD INTERIOR EQUIPMENT STATION WAGONS

INSTRUMENT PANEL AND STEERING WHEELS		Impala	Caprice Estate
Glove Compartment Light		X	X
Cigarette Lighter		X	X
Clock, Electric		O	X
Clock Hole Cover		X	
Instrument Panel Knobs Bright with Rosewood Insert		X	X
Instrument Cluster Bright and Rosewood Trim		X	X
Tailgate Window Switch		X	X
Instrument Panel Pad—Upper		X	X
Instrument Panel Upper Trim Plate with Series Nameplate		X (a)	X (b)
Ash Tray — Illuminated		O	X
Ash Tray Face Plate—Painted		X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control		X	X
Upper Ventilation Outlets and Controls—Black		X	X
Instrument Panel Courtesy Lights		O	X
Turn Signal and Shift Lever Knobs—Color Keyed		X	X
Steering Column Ignition Lock		X	X
Steering Wheel, Soft Vinyl Shroud and Rim — Shroud Insert (Has Rosewood Insert) on Rim of 1BN		X	X
Color-Keyed Steering Wheel, Shroud and Column		X	X
Instrument Panel Rosewood Grain Trim and Bright (Upper Area)		X (d)	X (d)
Dual Horns		O	X
Single Horn		X	
Audio and Visual Lap Belt Warning System		X	X
Radio and Heater Control Trim Plate		X (e)	X (e)
GLASS			
Windshield Laminated Safety Plate Glass		X	X
Backlight, Safety Solid Plate Glass		X	X
Side Windows, Safety Solid Plate Glass		X	X
O Optional Usage			

(a) Bright, Impala script on instrument panel (no trim plate)

(b) Bright, "Caprice Classic" name on black high-gloss trim plate

(d) Switch and glove box area (Rosewood and bright, Caprice) (cross grain texture and bright, Impala) in colors

(e) Rosewood on Caprice and cross grain texture on Impala in colors

NOTE: Rosewood is High Gloss

ROOF AND PILLARS

	Impala			Caprice Classic		
	69	47	35	69	47	35
Headlining Cloth	X	X	X	X	X	X
Rear View Mirror, 12" Prismatic-Textured Black Vinyl Clad (F)	X	X	X	X	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F)	X	X	X	X	X	X
Sunshade, Padded, Non-Hook Cloth (F)	X	X	X	X	X	X
Roof Side Rail Garnish Moldings-Painted Metal (F)	X	X	X	X	X	X
Rear Window Moldings-Painted Metal and Plastic (F)	X	X	X	X	X	X
Rear Window Upper and Side Moldings-Plastic Painted Metal (F)	X	X	X	X	X	X
Quarter Window Garnish Moldings-Painted Metal (F)	X	X	X	X	X	X
Windshield Garnish Moldings-Plastic (F)	X	X	X	X	X	X
Center Pillar Lower Finish Panel, Molded Plastic (F)	X	X	X	X	X	X
Center Pillar Upper Molding-Molded Plastic (F)	X	X	X	X	X	X
Rear Quarter Upper Trim Panel, Molded Plastic (F)	X	X	X	X	X	X
Coat Hooks, Plastic-Trim Color (Bright) (F)	X	X	X	X	X	X
Center Dome Light-Plastic Lens (F)	X	X	X	X	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F)	X	X	X	X	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F)	X	X	X	X	X	X
Rear Door Jamb Switches for Dome Lamp (F)	X	X	X	X	X	X

SEATS AND FLOOR COVERING

Front and Rear Seat Cushion and Backrest, Full Molded Foam (F)	X	X	X	X	X	X
Single Loop Seat Belt System uses Retractor, Located in Center Pillar on Sedans and Wagons and in Quarter Panel on Coupes for Both Seat and Shoulder Belt	X	X	X	X	X	X
Black Rear Seat Lap Belts (3 Sets) Locking Outer Retractors (F)	X	X	X	X	X	X
Front Seat Center Lap Belt, Black (F)	X	X	X	X	X	X
Front Seat Head Restraints (F)	X	X	X	X	X	X
Front Seat Center Armrest (F)	X	X	X	X	X	X
Front Seat Bright Back-Side Trim Panels (F)	X	X	X	X	X	X
Package Shelf Embossed Board (F)	X	X	X	X	X	X
Package Shelf Woven Fiber Board	X	X	X	X	X	X
Folding Front Seat Back Locks-Bright (F)	X	X	X	X	X	X
Carpet, Floor Covering-Nylon Cut Pile (F)	X	X	X	X	X	X

(F) Fisher Body Released

DOOR AND QUARTER PANEL (F)

	Impala			Caprice Classic		
	69	47	35	69	47	35
Plastic Armrest with pad	X	X	X	X	X	X
Plastic Armrest with Pad and Ash Tray	X		X	X		X
Soft Trim Door Panel	X	X	X	X	X	X
Pull Type Door Handle	X	X	X	X	X	X
Rear Quarter Panel with Armrest and Ash Tray		X	X	X	X	X
Window Control Handle Knobs, Clear Plastic	X	X	X	X	X	X
Door Lock Buttons—Bright	X	X	X	X	X	X
Door Trim Panel Carpet—Cut Pile plus Opt.		X	X	X	X	X
Rosewood Wood-Grain Door Panel Plaques, Bright Trim	X		X	X		X
Cloth Insert				X	X	X
Front and Rear Door Locks 2-Position Free Wheeling	X	X	X	X	X	X
Front and Rear Door Pull Strap				X	X	X
Rear Quarter Sidewalls—Molded Plastic			X			X

LUGGAGE AREA AND MISC.

Luggage Compartment Light (C)	X	X		X	X	
Luggage Compartment Spatter Paint (Black) (F)	X	X		X	X	
Luggage Compartment Mat—Tango Carpet (F)	X	X		X	X	
Load Floor—Textured Metal (F)			X			X
Storage Compartment Mat—Vinyl on Foam (F)			X			X
Storage Compartment Lining—Vinyl on Foam (F)			O			X

(F) Fisher Body Released

(C) Chevrolet Released

O Optional usage

Air conditioning, Four-Season (See page 13 for content)	C60
Air conditioning, Comforton: automatic temperature control (See page 13)	C61
Battery, heavy duty	UA1
Belts, seat and shoulder: in addition to or replacing standard belts.	
Deluxe belts: (Replacing standard number of belts)	
Coupe and Sedan - 6 seat and 2 shoulder	AK1
Shoulder belts - 2 rear:	
For use when custom deluxe belts are ordered (Color keyed to interior)	
Body insulation package ("Silent Sound Group") base on 1BN00	BS1
Carpet, Station Wagon load floor (Color-Keyed)	B39
Cap, locking gas filler	
Clock, electric (Standard on Caprice Classic)	U35
Compass	
Cover, luggage carrier - wagon	
Dispenser, tissue tunnel mount	
Dome reading lamp	C95
Door edge guards	B93
Electric trunk release - except wagon	A90
Floor mats color-keyed - 2 front, 2 rear	B37
Front and rear bumper guards	V30
Generator: 61-amp Delcotron	K76
Glass, Soft-Ray tinted: all windows (Includes w/s radio antenna)	A01
Glass, windshield - tinted (Fleet and Canadian - includes radio antenna)	A02
Harness, trailer wiring	
Heater, engine block (Canada)	K05
Hitch, trailer	
Hitch, trailer, equalizing type	
Horns, dual - base on 1BN00	U05
Interior car warmer	
Lamp, portable spot	
Lighting, auxiliary:	ZJ9
Courtesy lights - (Standard on 1BN00 models)	
Luggage compartment light - Std. Impala and Caprice Classic sedans and coupes	
Ash tray light - (Standard on 1BN00 models)	
Underhood light	
Rear dome lamp - wagons	
Headlamp reminder buzzer part of ZJ9 package	
Dome reading lamp - (Standard on 1BN00 models)	
Electronic Dome Lamp	
Litter container (RH cowl kick panel)	D24
Litter container and tissue dispenser	
Litter container, underseat unit	
Lock, rear door safety	
Luggage compartment trim deluxe (Except wagon)	
Mat, front floor full width - vinyl	B48
Mat, load floor - wagon	
Mirrors, fender, for trailering (RH & LH)	
Mirror, rear view L.H. outside remote-control	D33
Mirror, rear view R.H. outside remote-control (Requires D33)	DF3
Mirror, RH (to match LH remote or standard unit - standard on Station Wagons)	
Mirrors, Dual Sport - RH and LH remote control type (Painted body color)	D68
Molding, adhesive backed vinyl (roll or cut to length)	
Moldings, body side - vinyl insert	B84
Molding, wheel opening (Standard on 1BN00 models)	B96

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EQUIPMENT

	RPO	ACC.
Radiator, heavy duty	V01	
Radio equipment: Radios, pushbutton — includes concealed w/s antenna		
AM Radio	U63	ACC
AM/FM Radio	U69	ACC
AM/FM/Stereophonic Radio	U58	ACC
Citizens Band Radio — Six channel plus antenna		ACC
Stereo Tape System with AM Radio	UM1	ACC
Stereo Tape System with AM/FM/Stereophonic Radio	UM2	ACC
Mast antenna, RH front fender		ACC
Speaker, rear seat (Requires U63 or U69)	U80	ACC
Windshield antenna	U76	
Rear window defogger (Forced air) (All except wagons)	C50	ACC
Electroclear, Rear window defogger	C49	
Roof cover, vinyl (Padded vinyl) (All except wagons)	C09	
Roof luggage carrier — wagon	V55	ACC
Seat, infant safety		ACC
Seat, child safety		ACC
Seat, 50-50 front bench	AV7	
Shock absorbers, rear:		
Superlift	G66	
Speed control: (Cruise-Master)	K30	ACC
Steering wheel, comfortilt	N33	
Strips — impact — FR. and RR. bumper	VE5	
Suspension, heavy duty front and rear	F40	
Sport suspension (All except wagons)	F41	ACC
Theft alarm audio		
Custom two-tone paint (Includes stripe and door handle tape)		
Two-Tone finish: includes bright metal outline moldings	D99	
Visor vanity mirror, R.H. visor	D34	ACC
Wheel covers, full: (All except 1BN00 models)	P01	ACC
Wheel covers, deluxe (New ABS plastic)	PB2	
Wipers, windshield — pulse type	CD4	

FACTORY-INSTALLED REGULAR PRODUCTION TIRES

FR78 x 15B — Steel belted radial ply Whitewall (Exc. Station Wagons)	QBW
FR78 x 15B — Steel belted radial ply Blackwall (Exc. Station Wagons)	QBU
GR70 x 15B — Steel belted radial ply Whitewall (With F41 suspension only)	QCX
GR78 x 15B — Steel belted radial ply Whitewall (Exc. Station Wagons)	QDR
HR78 x 15B — Steel belted radial ply Blackwall (Station Wagon)	QDU
HR78 x 15B — Steel belted radial ply White Stripe (Station Wagon)	QEL
FR78 x 15B — Steel belted radial ply Blackwall (Exc. Station Wagons)	QKA
FR78 x 15B — Steel belted radial ply Whitewall (Exc. Station Wagons)	QKB
GR78 x 15B — Steel belted radial ply Whitewall (Exc. Station Wagons)	QMK
FR78 x 15B — Fiberglass belted radial ply Whitestripe (Exc. Station Wagons)	QKN

	RPO	ACC.
POWER TEAMS		
305 cu. in. V-8 (Sedans and Coupes) (Base on all wagons)	LG3	
350 cu. in. V-8 (Sedans, Coupes and Wagons)	LM1	
Automatic Transmission (All engines)	MX1	
Axle, positraction	G80	
Axle, high altitude ratio	G92	
POWER ASSISTS		
Door lock system, power	AU3	
Seat, power: 6-way front bench seat	A42	
Seat (LH) - Power: 6-way front bench seat 50-50	AG7	
Tailgate, power (Wagon)	AU6	
Windows, power	A31	
Trunk opener (Sedans and Coupes)	A90	

COMFORTRON AUTOMATIC TEMPERATURE CONTROL (RPO C61)

Integral air cooling and heater system. Used only with RPO C60 system. Automatically controlled by pre-setting on instrument control panel. Control assembly consists of horizontal lever and vertical temperature wheel. In-car sensor located on instrument panel; ambient sensor located beneath air intake cowl.

FOUR SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by two horizontal levers on instrument control panel plus 4-speed fan switch. Upper lever (mode selector control) uses vacuum supply and electrical switches to operate mode doors and compressor. Lower lever uses bowden cable to operate temperature door. Six air outlets: 2 center, 2 side, 2 lower.

BASIC COMPONENTS

Control panel, evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems. Comfortron also includes sensors, transducer and power servo unit for automatic operation.

EQUIPMENT (Used in addition to or in place of basic equipment)

POWER TRAINS

Fan Blade	7 blade w/L6; 5 blade w/V8
Fan Clutch	Thermomodulated fluid coupling
Crankshaft Pulley	Single three groove pulley
Water Pump & Fan Pulley	Single
Compressor & Crankshaft Belt	One
Generator	61 Ampere
Radiator	Heavy duty

DIMENSIONS AND WEIGHTS

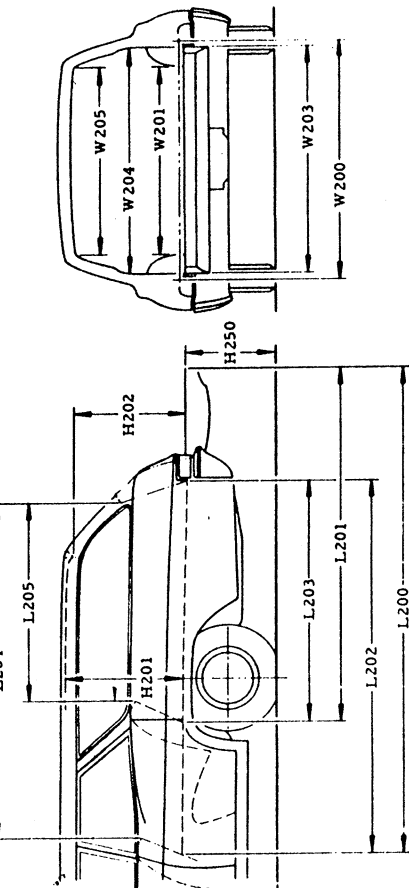
INTERIOR DIMENSIONS	2
LUGGAGE CAPACITY	2
STATION WAGON CARGO SPACE	3
EXTERIOR DIMENSIONS	4 & 5
VEHICLE WEIGHTS	6
OPTIONAL EQUIPMENT WEIGHTS	7



REAR COMPARTMENT

REAR COMPARTMENT				
H8	Seat cushion height	363 (14.3)	342 (13.5)	359 (14.1)
H12	Entrance height	785 (30.9)	--	775 (30.5)
H31	H point to heel point	292 (11.5)	273 (10.7)	307 (12.1)
H33	Seat cushion deflection	102 (4.0)	113 (4.4)	105 (4.1)
H51	Upper body opening to ground	1300 (51.2)	--	1315 (51.8)
H63	Effective headroom	970 (38.2)	964 (38.0)	966 (38.0)
H71	H point to body O line	198 (7.8)	179 (7.0)	1000 (39.4)
H76	Effective "T" point headroom	967 (38.1)	961 (37.8)	994 (39.1)
W4	Shoulder room	1545 (60.8)	956 (37.6)	213 (8.4)
W6	Hip room	1405 (55.3)	1494 (58.8)	1004 (39.5)
L3	Rear compartment room		1462 (57.6)	998 (39.3)
L50	H point couple distance	882 (34.7)		1546 (60.9)
L51	Effective leg room	991 (39.0)		1398 (55.0)
			737 (29.0)	722 (28.4)
			851 (33.5)	844 (33.2)
			947 (37.3)	958 (37.7)
LUGGAGE COMPARTMENT				
H195	Liftover height	796 (31.3 in.)		--
V1	Usable luggage capacity (cu.ft.)	572 (20.2 ft. ³)	560 (19.8 ft. ³)	--

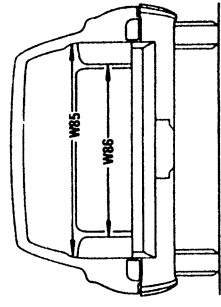
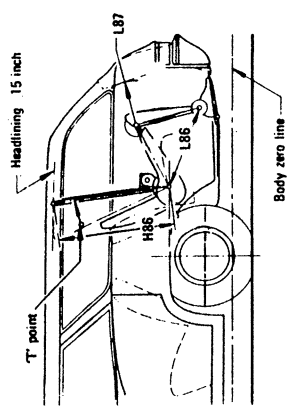
* Primary Dimensions are millimetres unless otherwise shown.



STATION WAGON CARGO SPACE

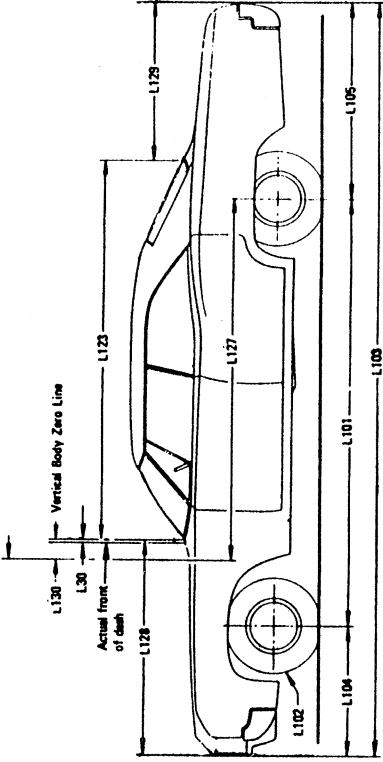
CODE	DESCRIPTION	1BL35	1BN35
H201	Maximum cargo height	763 (30.0 in.)	757 (29.8 in.)
H202	Rear opening height		729 (28.7 in.)
H250	Tailgate to ground height		741 (29.2 in.)
W200	Cargo width-front		1548 (60.9 in.)
W201	Cargo width-wheelhouse		1224 (48.2 in.)
W203	Rear opening width at floor		1238 (48.7 in.)
W204	Rear opening width at belt		1224 (48.2 in.)
W205	Rear opening width above belt		988 (38.9 in.)
L200	Maximum cargo length-front seat		2790 (109.8 in.)
L201	Maximum cargo length-second seat		1907 (75.1 in.)
L202	Cargo length at floor-front seat		2290 (90.2 in.)
L203	Cargo length at floor-second seat		1407 (55.4 in.)
L204	Cargo length at belt-front seat		2128 (83.8 in.)
L205	Cargo length at belt-second seat		1222 (48.1 in.)
V2	Total cargo index volume (cu.ft.)	2510 (88.6 cu.ft.)	2490 (87.9 cu.ft.)

Volume underfloor storage compartment
 2-Seat Wagons 226.71 (8.0 Cu.Ft.)
 3-Seat Wagons 127.53 (4.5 Cu.Ft.)



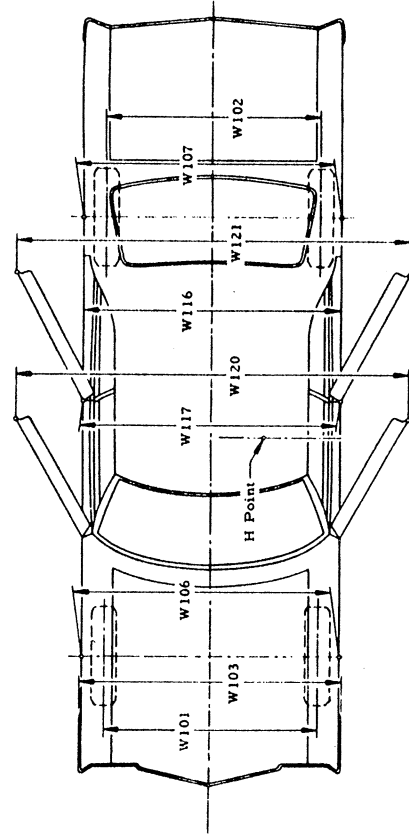
STATION WAGON THIRD SEAT

W85	Shoulder room	1240 (48.8 in.)
W86	Hip room	1109 (43.7 in.)
H86	Effective headroom	952 (37.5 in.)
L86	Effective leg room	782 (30.8 in.)
L87	Knee room	317 (12.5 in.)



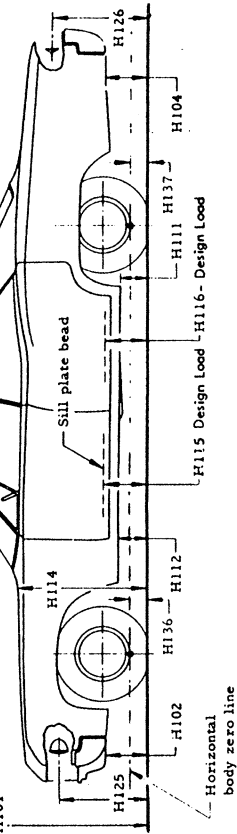
LENGTHS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
L101	Wheelbase		2945 (116 in.)	
L102	Tire size (standard)	FR78-15B		HR78-15B
L103	Overall length	5385 (212.1 in.)		5454 (214.7 in.)
L104	Overhang, front		1016 (40.0 in.)	
L105	Overhang, rear	1424 (56.1 in.)		1493 (58.8 in.)
—	Overall length - less bumpers	5162 (203.2 in.)		5213 (205.2 in.)
L123	Body upper structure length at car center line	2530 (99.6 in.)	2652 (104.4 in.)	3506 (138.0 in.)
L127	Body O line to C/L of rear wheels		2475 (97.5 in.)	
L126	Front end length at center line	1BN00 Models 1627 (64.0 in.), 1BL00 Models 1623 (63.9 in.)		
L129	Rear end length at center line	1021 (40.2 in.)	898 (35.3 in.)	100 (3.9 in.)
L125	Body zero plane to windshield cowl point	235 (9.2 in.)	236 (9.3 in.)	235 (9.2 in.)
L30	Body O line to actual front of dash		-34 (-1.3 in.)	



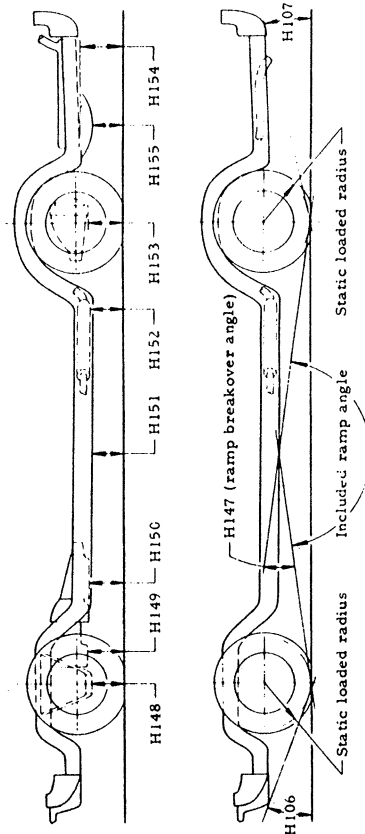
WIDTHS

W101	Tread - front	1568 (61.8 in.)	1578 (62.2 in.)
W102	Tread - rear	1542 (60.8 in.)	1628 (64.1 in.)
W103	Maximum overall width of car	1930 (76.0 in.)	2010 (79.1 in.)
W106	Front fender overall width	1930 (76.0 in.)	2010 (79.1 in.)
W107	Rear fender overall width	1930 (76.0 in.)	2010 (79.1 in.)
W116	Maximum overall width of body	1930 (76.0 in.)	2010 (79.1 in.)
W117	Maximum body width at number 2 pillar	1916 (75.4 in.)	1916 (75.4 in.)
W120	Overall car width, front doors open	3442 (135.5 in.)	3442 (135.5 in.)
W121	Overall car width, rear doors open	2917 (114.9 in.)	2915 (114.8 in.)



HEIGHTS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
H101	Overall height (design)	1422 (56.0 in.)	1406 (55.3 in.)	1473 (58.0 in.)
H102	Front bumper to ground	282 (11.1 in.)		
H104	Rear bumper to ground	333 (13.1 in.)		294 (11.6 in.)
H111	Rocker panel to ground - rear	229 (9.0 in.)		240 (9.4 in.)
H112	Rocker panel to ground - front	229 (9.0 in.)		234 (9.2 in.)
H114	Hood at rear to ground	996 (39.2 in.)		1002 (39.4 in.)
H115	Step height - front (design)	367 (14.4 in.)	357 (14.1 in.)	365 (14.4 in.)
H116	Step height - rear (design)	368 (14.5 in.)	359 (14.1 in.)	368 (14.5 in.)
H125	Headlamp to ground	687 (27.0 in.)		689 (27.1 in.)
H126	Tail lamp to ground	685 (27.0 in.)		702 (27.2 in.)
H136	Body O line to ground - front	- 198		- 195
H137	Body O line to ground - rear	- 181		- 169



CLEARANCES

H106	Angle of approach (degrees)	16.97		16.79
H107	Angle of departure (degrees)	15.17		12.24
H147	Ramp breakover angle (degrees)	15.31		15.09
H148	Front suspension to ground	147 (5.8 in.)		150 (5.9 in.)
H149	Oil pan to ground	173 (6.8 in.)		172 (6.7 in.)
H150	Flywheel housing to ground	181 (7.1 in.)		171 (6.6 in.)
H151	Frame to ground	179 (7.0 in.)		187 (7.4 in.)
H152	Exhaust system to ground	175 (6.9 in.)		187 (7.4 in.)
H153	Rear axle to ground	178 (7.0 in.)	177 (7.0 in.)	191 (7.5 in.)
H154	Fuel tank to ground	249 (9.8 in.)		204 (8.0 in.)
H155	Tire well to ground			
H156	Minimum ground clearance	147 (5.8 in.) (a)		150 (5.9 in.) (a)

(a) Front suspension to ground.

*Primary Dimensions are millimetres unless otherwise shown.

MODEL TYPE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1BL47	250 Cu.In. L6 (L22)	2-Door Sport Coupe	900 kg (1984-lb.)	682 kg (1504-lb.)	1582 kg (3488-lb.)	891 kg (1964-lb.)	741 kg (1634-lb.)	1632 kg (3598-lb.)
1BL69	250 Cu.In. L6 (L22)	4-Door Sedan	906 kg (1997-lb.)	686 kg (1513-lb.)	1592 kg (3510-lb.)	897 kg (1978-lb.)	745 kg (1642-lb.)	1642 kg (3620-lb.)
1BL35	305 Cu.In. V8 (LG3)	4-Door Station Wgn.	928 kg (2046-lb.)	895 kg (1973-lb.)	1823 kg (4019-lb.)	915 kg (2017-lb.)	960 kg (2116-lb.)	1875 kg (4133-lb.)
1BN47	250 Cu.In. L6 (L22)	2-Door Sport Coupe	910 kg (2006-lb.)	692 kg (1526-lb.)	1602 kg (3532-lb.)	901 kg (1986-lb.)	751 kg (1656-lb.)	1652 kg (3642-lb.)
1BN69	250 Cu.In. L6 (L22)	4-Door Sedan	921 kg (2030-lb.)	696 kg (1535-lb.)	1617 kg (3565-lb.)	912 kg (2011-lb.)	755 kg (1664-lb.)	1667 kg (3675-lb.)
1BN35	305 Cu.In. V8 (LG3)	4-Door Station Wgn.	936 kg (2063-lb.)	308 kg (2002-lb.)	1844 kg (4065-lb.)	923 kg (2035-lb.)	973 kg (2145-lb.)	1896 kg (4180-lb.)

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT METRIC (kg) – ENGLISH
AU3	Electric Door Locks	2-Door Models	1.8 (4 lb.)
		4-Door Models	3.2 (7 lb.)
A31	Power Windows	2-Door Models 1BL, 1BN47	3.7 (8 lb.)
		4-Door Models 1BL, 1BN35, 69	8.6 (19 lb.)
A42	Power Seat		8.6 (19 lb.)
B37	Front and Rear Floor Mats		3.2 (7 lb.)
C09	Vinyl Roof Cover (Padded Vinyl)	All except Station Wagons	2.3 (5 lb.)
		With L6 Engine	30.4 (67 lb.)
C60	Air Conditioning 4-Season	With V8 Engine	38.1 (84 lb.)
C61	Air Conditioning Comfortron	With L6 Engine	31.8 (70 lb.)
		With V8 Engine	39.5 (87 lb.)
F41	Suspension, Heavy Duty, Front and Rear		14.1 (31 lb.)
PA2	Wheel Trim Covers	1BL00 Models	3.2 (7 lb.)
UA1	Heavy Duty Battery	With L6 Engine	6.8 (15 lb.)
		With V8 Engine	4.5 (10 lb.)
U63	Radio AM Pushbutton		3.2 (7 lb.)
U69	Radio AM/FM Pushbutton		5.0 (11 lb.)
U58	Radio AM/FM Stereo		6.3 (14 lb.)
UM1	Radio AM Pushbutton and Tape		6.8 (15 lb.)
UM2	Radio AM/FM Pushbutton and Tape		7.2 (16 lb.)
VE5	Bumper Impact Strip, PVS front and rear		
V30	Bumper Guards Front and Rear		1.4 (3 lb.)
V55	Roof Luggage Carrier	Station Wagons	4.1 (9 lb.)
LG3	305 Cu.In. V8 Engine	Sedans & Coupes	9.5 (21 lb.)
		Sedans & Coupes	49.0 (108 lb.)
LM1	350 Cu.In. V8 Engine	Station Wagons	53.0 (117 lb.)
		Station Wagons	4.1 (9 lb.)

* Primary Dimensions are kilograms.

BODY

EXTERIOR PAINT PROCESS	2
EXTERIOR-INTERIOR COLORS	3, 4, 5, 6
BODY CONSTRUCTION AND GLASS AREA	7

1. **RUSTPROOFING.** Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.
2. **BODY AND SHEET METAL PRIMERS.** Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.
3. **PRIMER COAT** is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F. for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.
4. **FLASH PRIMER AND PRIMER-SURFACER COATS.** An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.
5. **INITIAL SANDING.** Power wet sanding, followed by hand sanding is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.
6. **LACQUERING.** Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.
7. **INITIAL BAKING.** To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.
8. **FINAL SANDING.** To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.
9. **FINAL BAKING.** To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.
10. **UNDERCOATING.** To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.
11. **PAINT REPAIR AND PROTECTION.** Mars, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

EXTERIOR COLOR – VINYL ROOF COMBINATIONS

VINYL TOP COVER	EXTERIOR COLOR AVAILABILITY
Silver	Silver 15
	Black 19
	Carmine (Met.) 77
Black	All Available Colors, except 69
White	All Available Colors
Light Blue Metallic	White 11
	Black 19
	Light Blue 21
	Light Blue (Met.) 22
	Dark Blue (Met.) 29
Light Camel	White 11
	Black 19
	Light Camel 61
	Camel (Met.) 63
	Saffron (Met.) 67
	Dark Camel (Met.) 69
	Carmine (Met.) 77
Dark Carmine (Met.)	Dark Carmine (Met.) 79
Light Green (Met.)	White 11
	Black 19
	Light Green (Met.) 44
	Medium Green (Met.) 45

1978 CHEVROLET 'B' INTERIOR COLOR COMBINATIONS

	MODEL	Seat Type	INTERIOR TRIM									
			Black		Light Blue		Dark Green		Camel Tan		Carmine	
			(19X) Vinyl	(19X) Cloth	(24X) Vinyl	(24X) Cloth	(44X) Vinyl	(44X) Cloth	(62X) Vinyl	(62X) Cloth	(74X) Vinyl	(74X) Cloth
Impala - 1BL00												
Sedan (69)		(A52) Bench	19N		24N	24B		44B	62N	62B	74N	74B
Sedan (69)		(AT8) 50-50			24N	24B		44B	62N	62B	74N	74B
Custom Coupe (47) *		(A52) Bench	19N		24N	24B		44B	62N	62B	74N	74B
Custom Coupe (47) *		(AT8) 50-50			24N	24B		44B	62N	62B	74N	74B
Station Wagon (35)		(A52) Bench			24N	24B		44B	62N	62B	74N	74B
Station Wagon (35)		(AT8) 50-50			24N	24B		44B	62N	62B	74N	74B
Caprice Classic - 1BN00												
Sedan (69)		(A52) Bench		19D	24V	24D		44D	62V	62D	74V	74D
Sedan (69)		(AT8) 50-50		19D	24V	24D		44D	62V	62D	74V	74D
Sport Coupe (47) *		(A52) Bench		19D	24V	24D		44D	62V	62D	74V	74D
Sport Coupe (47) *		(AT8) 50-50		19D	24V	24D		44D	62V	62D	74V	74D
Station Wagon (35)		(A52) Bench			24V	24G	44V		62V	62G	74V	74G
Station Wagon (35)		(AT8) 50-50			24V	24G	44V		62V	62G	74V	74G
Caprice Luxury Interior - 1BN00												
Sedan (69)		(AT8) 50-50				24F		44F		62F		74F
Coupe (47) *		(AT8) 50-50				24F		44F		62F		74F

CLOTH & VINYL USAGE

- N--Wallaby vinyl
- B--Windsor, 712 WC, knit cloth
- C--Bordeau, 807 WC, woven sport cloth
- V--Wallaby vinyl
- F--Lombardy, 347 WC, velour cloth; Lombardy bolster
- G--Fidburgh, 739 WC, woven sport cloth; Dover bolster
- D--Dover, 605 WC, knit cloth

* The 1BL47, 1BN47 require a Big Four Option Number in addition to the trim combination number. The Big Four Module consists of the instrument panel, carpet, cowl kick panel, and package shelf. Module numbers are shown in parenthesis at the top of each column. Examples: Black-19N + 19X, White with Saffron Big Four-11V + 67X.

1978 CHEVROLET (1BA00)

REGULAR TWO-TONE COLOR COMBINATIONS (RPO D99)

REGULAR TWO-TONE EXTERIOR COLORS		FISHER COLOR CUT-OFF MOLDINGS* 1BL-1BN47 & 69
LOWER	UPPER	
Lt. Blue Met.	22L White	11U White
Dk. Blue Met.	29L Lt. Blue Met.	22U Lt. Blue Met.
Med. Green Met.	44L White	11U White
Dk. Green Met.	45L Med. Green Met.	44U Med. Green Met.
Camel Tan Met.	63L White	11U White
Dk. Camel Met.	69L Camel Beige	61U Camel Beige
Carmine Met.	77L White	11U White

* 1BL-1BN35 Color Cut-Off Moldings are Bright.

CUSTOM TWO-TONE COLOR COMBINATION (RPO D84)**

CUSTOM TWO-TONE EXTERIOR COLORS		BODY SIDE STRIPE COLOR (INCLUDED)	BODY SIDE MOLDING (IF ORDERED)	RPO VINYL TOP COLORS (IF ORDERED)
BODY	ACCENT			
Silver Met. WA 7022	15 Gray Met. WA 7054	16 Red	WMH 4330 19Q Black	WPV 848 Silver Met. 15T
Light Blue Met. WA 4964	22 Dk. Blue Met. WA 4965	29 Pastel Blue	WMH 7023 22Q Light Blue Met.	WPV 4964 Lt. Blue Met. 22T
Med. Green Met. WA 7024	44 Dk. Green Met. WA 8006	45 Green	WMH 4922 44Q Med. Green Met.	WPV 7024 Med. Green Met. 44T
Camel Beige WA 7025	61 Gold Met. WA 7083	56 Buckskin	WMH 4718 61Q Camel Beige	WPV 7025 Camel Beige 61T
Dk. Carmine Met. WA 7072	79 Carmine Met. WA 7029	77 Red	WMH 4330 79Q Dk. Carmine Met.	WPV 7072 Dk. Carmine Met. 79T

** These are the only combinations available - NO COLOR OVERRIDES ARE ALLOWED!

1978 CHEVROLET (1BA00)

- BODY SIDE ACCENT STRIPE (RPO D85)
- BODY SIDE MOLDING EQUIPMENT (RPO B84)
- BODY SIDE MOLDING EQUIPMENT (RPO B84)

RPO D85 – BODY SIDE ACCENT STRIPE*

STRIPE IDENTIFICATION (DECAL)		
11A	White	WMH 3967
13A	Silver	WMH 4575
19A	Black	WMH 848
27A	Blue	WMH 4673
49A	Green	WMH 4922
54A	Gold	WMH 4831
75A	Red	WMH 4330
95A	Buckskin	WMH 4718

RPO B84 – BODY SIDE MOLDING EQUIPMENT*

MOLDING IDENTIFICATION		
19Q	Black	WPV 848
22Q	Lt. Blue Met.	WPV 4964
44Q	Med. Green Met.	WPV 7024
61Q	Camel Beige	WPV 7025
79Q	Dk. Carmine Met.	WPV 7072
99Q**		

**When RPO Wood Grain is specified on 1BN35, the molding matches NMH-557, "Medium Charter Oak".

NOTE: *For color combination applications, see Dealer Order Guide.

GENERAL

Type Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner fender skirts. Double panel roof construction with integral front and rear headers and side rails.

DOORS AND LOCKS

Door construction Double steel panels, with side guard beam. Doors hinged at front.
Door handles Pull-type exterior.
Free-wheeling inside door handles on all doors.
Front door glass Full ventless windows on all models.

HOOD AND TRUNK LID

Type Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod.
Hood release Internal; to left of steering column under instrument panel.

VENTILATION

High level air intake for passenger compartment with double wall plenum chamber. Astro Ventilation with instrument panel outlets standard on all.
Flow through ventilation Air enters cowl plenum thru concealed cowl high air intake and passes into the passenger compartment thru two upper level vents in the instrument panel and a lower vent below the panel. To assure constant flow, the heater blower moves air thru the lower vent whenever the ignition is on and the engine coolant is 95°F or higher. To exit, air passes under the rear seat cushion into the trunk, and rear quarters to baffle type outlets on door lock pillars.

SEAT CONSTRUCTION

Type All seat cushions and backrests . . Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

Type Concealed dual 2-speed electric with 18" blades.
Linkage Parallel action with articulated left arm.

HEADLIGHTS Dual, rectangular lamps all models.

SPARE TIRE AND TOOLS

Location Sedans and Sport Coupes, angled on center of shelf in trunk compartment; Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of bumper jack with combination lever handle and wheel nut wrench mounted on diagonal brace in R.H. wheelhouse.

STATION WAGON REAR WINDOW & TAILGATE

Operation Three way tailgate design with exterior handle. Power tailgate glass standard. Can be used as a door with glass up. When used as a gate, glass must first be lowered.
Stowage compartment A new lockable stowage compartment, located in the rear most part of the left quarter panel, is base equipment for all station wagon models. This is made possible by the relocation of the fuel tank to a position underneath the underbody.

BODY GLASS VISIBILITY AREA

	MODELS	
	69	47 35
Windshield		8619 (1335.9 in. ²)
Front Door Window	5705 (884.3 in. ²)	8759 (1357.6 in. ²) 5705 (884.3 in. ²)
Rear Door Window	6293 (975.4 in. ²)	-- 5535 (875.9 in. ²)
Rear Quarter Window	--	2126 (329.5 in. ²) 8712 (1350.4 in. ²)
Rear Window	7525 (1166.4 in. ²)	7564 (1172.4 in. ²) 4661 (722.5 in. ²)
Total Area (Sq. In.)	28142 (4362.0 in. ²)	27068 (4195.4 in. ²) 33232 (5151.0 in. ²)

All window glass curved safety solid plate except curved laminated safety windshield.
* Primary dimensions are square centimetres.

FRAME AND FRONT SUSPENSION	2, 3
STEERING, DRIVELINE, WHEELS AND TIRES	4
REAR AXLE AND SUSPENSION	5, 6
BRAKES	7
BULBS AND LAMPS	8
FUSES AND CIRCUIT BREAKERS	9

FRAME

Description All-welded perimeter frames with front crossmember for all models; rear axle upper control arm crossmember for sedans and coupes; center crossmember for wagons. Tubular trans.

Construction All box section front and rear end assemblies. Open channel center rails for crossmember sedans and coupes, box section for wagons. Open channel pickup for wagons, box section for sedans and coupes. Front crossmember rear braces for all models, front braces for wagons.

Body Mounting 8 each side of frame - 14 double cushion and 2 single cushion.

FRONT SUSPENSION

Description Independent, SLA type with coil springs and concentric shock absorbers and spherical joint steering knuckle pivots for each wheel.

Wheel travel (design)

Total 198.1 mm (7.80 in.)
Jounce 90.4 mm (3.56 in.)
Rebound 107.7 mm (4.24 in.)
Wheel to spring, travel ratio 2.06:1

CONTROL ARMS

Description Reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot.

STEERING KNUCKLES

Description Nodular iron with integral steering arm

Spindle diameters

Inner bearing 31.7 mm (1.25 in.)
Outer bearing 190 mm (0.75 in.)
Spindle thread size 3/4 - 20UNEF-3A (modified)
Wheel bearing

Type Taper roller
Number Two per spindle

SPHERICAL JOINTS

Type Ball studs; upper self-adjusting for wear, lower has a wear indicator

Bearing surfaces

Upper Two bearings; upper surface teflon coated phenolic; lower surface teflon cotton composition

Lower One bearing; steel

SHOCK ABSORBERS

Type Direct, double-acting, hydraulic
Piston diameter 270 mm (1.06 in.)

STABILIZER BAR

Type Link
Material HR steel
Diameter 27 mm (1.06 in.)

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) $+0.8 \pm 0.8$
Caster (degrees) 3.0 ± 1.0
Toe-in (total) 0.12 ± 0.12
Steering axis inclination (degrees) $9.785 @ 1^\circ$ camber

GENERAL SUSPENSION PROVISIONS

Car leveling Front stabilizer bar
Anti-dive control Angle of front upper control arm
Anti-squat control Rear suspension geometry

FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRINGS SPECIFICATIONS

Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Free		Working	
		mm	in.	mm	in.		N/mm	lbs./in.	mm	in.	mm @ N	in. @ lbs.
370962	ASS	3649.4	143.7	16.8	0.66	9.76	52.5	300	479.6	18.88	300 @ 12512	11.0 @ 2813
370976	ARH	3070.9	120.9	15.8	0.62	8.1	52.5	300	444.2	17.49	300 @ 10649	11.0 @ 2394
370977	ARJ	3306.1	130.2	16.2	0.64	8.7	52.5	300	449.1	17.68	300 @ 10911	11.0 @ 2453
370978	ARK	3306.9	130.2	16.2	0.64	8.7	52.5	300	454.3	17.89	300 @ 11182	11.0 @ 2514
370979	ARM	3431.0	135.1	16.4	0.65	9.01	52.5	300	459.4	18.09	300 @ 11449	11.0 @ 2574
370980	ARN	3431.8	135.1	16.4	0.65	9.01	52.5	300	464.3	18.28	300 @ 11712	11.0 @ 2633
370981	ARR	3560.0	140.1	16.6	0.65	9.34	52.5	300	469.5	18.49	300 @ 11978	11.0 @ 2693
370982	ARS	3560.8	140.1	16.6	0.65	9.34	52.5	300	474.6	18.69	300 @ 12250	11.0 @ 2754
370994	ASH	3142.2	123.7	16.8	0.66	8.23	64	365	431.4	16.98	300 @ 12165	11.0 @ 2735
370995	ASI	3143.0	123.7	16.8	0.66	8.23	64	365	436.5	17.18	300 @ 12494	11.0 @ 2809
370996	ASK	3369.8	132.7	17.2	0.68	8.8	64	365	441.8	17.39	300 @ 12837	11.0 @ 2886
378501	APA	2735.4	107.7	16.8	0.66	7.15	77	440	402.6	15.85	300 @ 12328	11.0 @ 2794
378502	APB	2920.6	115.0	17.2	0.68	7.62	77	440	407.8	16.05	300 @ 12828	11.0 @ 2884
378503	APC	2921.4	115.0	17.2	0.68	7.62	77	440	412.9	16.25	300 @ 13219	11.0 @ 2972
378504	APD	3119.6	122.8	17.6	0.69	8.12	77	440	418.0	16.46	300 @ 13611	11.0 @ 3060
378505	APF	3120.4	122.8	17.6	0.69	8.12	77	440	423.0	16.65	300 @ 13998	11.0 @ 3147
378506	APH	3329.6	131.1	18.0	0.71	8.64	77	440	428.1	16.85	300 @ 14389	11.0 @ 3235
378538	APK	3042.6	119.8	16.6	0.65	7.98	64	365	421.1	16.58	300 @ 11489	11.0 @ 2583
378539	APM	3043.5	119.8	16.6	0.65	7.98	64	365	426.2	16.78	300 @ 11818	11.0 @ 2657
378542	APS	2734.6	107.7	16.8	0.66	7.15	77	440	397.7	15.66	300 @ 12050	11.0 @ 2709

STEERING

Wheel

Type	Round with center shroud
Diameter	387.3 mm (15.25 in.)
Optional	Tilt steering shaft universally jointed at base of steering wheel; 6 positions; 5 inch vertical travel range.
Column	Energy absorbing mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.

Gear-Power (Standard)

Type	Integral, recirculating ball nut, with hydraulic pressure provided from a vane type pump.
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Ratios, Gear

Sedans and Coupes	14.0:1
Station Wagons	16.0:1 on center

Ratios, Overall

Sedans and Coupes	16.45:1
Station Wagons	18.8:1 on center

Number of Turns, Lock to Lock

Sedans and Coupes	3.16
Station Wagons	3.30

Linkage	Parallelogram, front of wheels, 2 tie rods
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Turning Diameter - Outside Front - m (ft.)

Wall to Wall	
Sedans and Coupes	13.58 (44.55)
Station Wagons	13.75 (45.11)
Curb to Curb	
Sedans and Coupes	11.83 (38.81)
Station Wagons	12.08 (39.63)
Outside wheel angle with inside wheel @ 20°	
Sedans and Coupes	19.60°
Station Wagons	19.286°

DRIVELINE

Type	Straight tube
Number Used	One
Diameter (OD)	76.2 mm (3.0 in.)
Length - mm (in.)	
Sedans and Coupes	
7.50" Ring Gear	1489 (58.63)
8.50 "Ring Gear	1464 (57.65)
Station Wagons	1464.3 (57.65)
Wall Thickness	1.65 mm (0.065 in.)
Universal Joints	Single Cardan
Number Used	Two
Bearings	Prepack anti-friction

WHEELS

Type	Steel, short spoke disc
Size - Sedans & Coupes	
Millimetres	381 x 152.4
Inches	15 x 6.0
Station Wagons	
Millimetres	381 x 177.8
Inches	15 x 7.0
Offset - mm (in.)	
Sedans and Coupes	12.7 (0.50)
Station Wagons	7.62 (0.30)
Attachment to Hub	
Type	5 hex nuts
Thread size	1/2-20 UNF 2B
Bolt Circle Diameter - mm (in.)	
Sedans and Coupes	120.65 (4.75)
Station Wagons	127.0 (5.0)

TIRES, STANDARD EQUIPMENT

Sedans and Coupes	
Type - 4.1 Litre L6	Glass belted radial
Size 5.0 and 5.7 Litre V8	Steel belted radial
Sidewall	FR78-15B
Base	Blackwall
Optional	White stripe
Static Loaded Radius	
Millimetres	304.0
Inches	11.97
Loaded rev/km @ 72 kmh	484
Loaded rev/mi @ 45 mph	779
Capacity @ 165.48 kPa	580
Capacity @ 24 PSI	1280
Station Wagons	
Type	Steel belted radial
Size	HR78-15B
Sidewall	
Base	Blackwall
Optional	White stripe
Static Loaded Radius	
Millimetres	315.0
Inches	12.42
Loaded rev/km @ 72 kmh	462
Loaded rev/mi @ 45 mph	744
Capacity @ 165.48 kPa	685
Capacity @ 24 PSI	1510

TIRES OPTIONAL EQUIPMENT

Sedans & Coupes - L6 Engine	
Size	FR78-15B
Type	Steel belted radial
Sidewall	
Base	Blackwall
Optional	White stripe
Sedans & Coupes - L6 & V8 Engines	
Size	GR78-15B
Type	Steel belted radial
Sidewall	
Base	Blackwall
Optional	White stripe
Size	GR70-15B
Sidewall	White stripe

SPARE TIRE

Type	Same as ground tires
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REAR AXLE

Description Semi-floating axle shafts; housing consists of two welded tubes pressed into crossbore of cast iron differential carrier. Carrier contains an overhung pinion and hypoid gear supported by two taper roller bearings.

Drive pinion to ring gear offset - mm (in.)

7.50" Ring Gear 38.1 (1.50)
8.50 & 8.75" Ring Gear 44.5 (1.75)

Hypoid gear PD (See Power Train Section, page 2, for application)

2.41 190.5 mm (7.50 in.)
2.41, 2.56, 2.73, 3.08 215.9 mm (8.50 in.)
2.56, 3.08 222.2 mm (8.75 in.)

Pinion bearing adjustment Shim
Lubricant

Type GL-5 Gear Lubricant
Viscosity 80W-90

Capacity - litres (pints)

7.50 Hypoid gear P.D. 1.5 (3.25)
8.50 & 8.75 Hypoid Gear P.D. 1.9 (4.0)

AXLE SHAFT

Type Forged and hardened steel with integral drive flange
Wheel bearings Single row cylindrical roller, one per wheel
Oil seal Steel encased, spring loaded synthetic rubber

RING AND PINION GEAR TOOTH COMBINATIONS

7.50 Ring gear diameter 41,17
2.41
8.50 Ring gear diameter 41,17
2.41
2.56 41,16
2.73 41,15
3.08 40,13

RING AND PINION GEAR TOOTH COMBINATIONS

8.75 Ring gear diameter 41,16
2.56
3.08 40,13

POSITRACTION DIFFERENTIAL (See Power Trains)

Type Two pinion with multiple disc clutch

REAR SUSPENSION, REGULAR PRODUCTION

Description Four-link type.
Two upper control arms bias mounted and two lower control arms parallel mounted.

Wheel Travel (design)

Total

Sedans and Coupes 239.0 mm (9.41 in.)
Station Wagons 213.1 mm (8.39 in.)
Jounce
Sedans and Coupes 122.7 mm (4.83 in.)
Station Wagons 101.1 mm (3.98 in.)
Rebound
Sedans and Coupes 116.3 mm (4.58 in.)
Station Wagons 112.0 mm (4.41 in.)
Wheel to spring travel ratio 1.01:1

SHOCK ABSORBERS

Type Direct double acting, hydraulic
Piston diameter 27.0 mm (1.06 in.)

REAR SPRINGS

Selected from a family of springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

REAR SPRING SPECIFICATIONS

Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Free		Working	
		mm	in.	mm	in.		N/mm	lbs./in.	mm	in.	mm @ N	in. @ lbs.
482056	NDA	3193	125.7	13.72	.543	7.36	17.5	100	482.6	19.00	254 @ 5907	10.0 @ 1328
482057	NDB	3348	131.8	13.99	.551	7.68	17.5	100	495.3	19.50	254 @ 6129	10.0 @ 1378
482058	NDC	3490	137.4	14.17	.558	7.96	17.5	100	508.0	20.00	254 @ 6352	10.0 @ 1428
482085	YG	2995	117.9	15.16	.597	6.91	27.1	155	409.7	16.13	254 @ 7175	10.0 @ 1613
482086	YH	2995	117.9	15.16	.597	6.91	27.1	155	417.8	16.45	254 @ 7397	10.0 @ 1663
482087	YI	3193	125.7	15.47	.609	7.30	27.1	155	425.9	16.77	254 @ 7619	10.0 @ 1713
485696	NDY	2601	102.4	16.51	.650	5.74	36.8	210	363.0	14.29	254 @ 9118	10.0 @ 2050
485697	NDW	2677	105.4	16.66	.656	5.87	36.8	210	368.8	14.52	254 @ 9341	10.0 @ 2100
485698	NDX	2753	108.4	16.81	.662	6.01	36.8	210	374.9	14.76	254 @ 9563	10.0 @ 2150
485714	WS	3106	122.3	13.84	.545	7.19	17.5	100	457.2	18.00	254 @ 5729	10.0 @ 1288
485715	WT	3183	125.3	13.94	.549	7.34	17.5	100	469.9	18.50	254 @ 5951	10.0 @ 1338
485748	XY	2807	110.5	15.04	.592	6.53	27.1	155	401.6	15.81	254 @ 7366	10.0 @ 1656
527777	NDN	2692	106.0	15.67	.617	5.93	28.9	165	398.0	15.67	254 @ 7610	10.0 @ 1711
527778	NDP	2817	110.9	15.87	.625	6.16	28.9	165	407.9	16.06	254 @ 7900	10.0 @ 1776
527779	NDR	2931	115.4	16.10	.634	6.36	28.9	165	417.8	16.45	254 @ 8189	10.0 @ 1841
547295	NFB	2586	101.8	15.47	.609	5.74	28.9	165	387.8	15.27	254 @ 7321	10.0 @ 1646

General	Type		Sedans and Coupes		Station Wagons	
	System		Power assisted disc front and drum rear		Dual circuit hydraulic system with warning light and self-adjusting features; metering and proportioning valve (except Station Wagons) provide balance between front and rear brakes	
Front Brakes	Type		Disc - single piston floating caliper			
	Material		Cast iron - vented			
	Diameter and width - mm (in.)		279 x 26.2 (11.0 x 1.03)		301.2 x 26.2 (11.86 x 1.03)	
	Lining material		Molded asbestos composition			
	Method of attachment		Riveted			
	Lining size (length x width x thickness)	Inboard - mm (in.) Outboard - mm (in.)	137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)			
	Lining area - cm ² (in. ²)		137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)			
	Eff. Area - cm ² (in. ²)		267.5 (41.47)			
	Swept Area - cm ² (in. ²)		237.4 (36.8)			
	Piston diameter - mm (in.)		1356.9 (210.37)		1521.8 (235.94)	
Rear Brakes	Type		Finned drum - composite, web cast into rim			
	Material		Molded asbestos composition			
	Dia. and width - mm (in.)		241.3 x 50.8 (9.5 x 2.0)		279.4 x 50.8 (11.0 x 2.0)	
	Lining material		Molded asbestos composition			
	Method of attachment		Riveted			
	Lining Size (length x width x thickness)	Primary mm Secondary mm	192.5 x 50.8 x 5.0		225.0 x 50.8 x 5.6	
	Lining area - cm ² (in. ²)		7.58 x 2.0 x 0.196		8.86 x 2.0 x 0.22	
	Eff. Area - cm ² (in. ²)		249.7 x 50.8 x 6.73		291.3 x 50.8 x 6.6	
	Swept Area - cm ² (in. ²)		9.83 x 2.0 x 0.265		11.47 x 2.0 x 0.26	
	Piston diameter - mm (in.)		449.2 (69.64)		524.5 (81.32)	
Apply System	Master cylinder dia. - mm (in.)		411.0 (63.72)		479.7 (74.37)	
	Piston travel - mm (in.)		748.6 (116.06)		891.4 (138.20)	
	Pedal travel - mm (in.)		22.2 (0.875)		23.81 (0.9375)	
	Pedal ratio					
	Line pressure @ 100 lb. pedal load	kPa PSI				
	Type		Mechanical; pull rods and cables operate rear service brakes; parking brake "ON" warning light provided			
	Control		Pendulum foot pedal; released by "T" handle located below instrument panel to left of steering column.			
	Total effective area - cm ² (in. ²)		411.0 (63.72)		479.7 (74.37)	

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray lamp	1-1445	.7
Back-up	2-1156	32
Brake warning	1-194	2
Clock Illumination	1-1816	3
Courtesy		
Instrument panel	2-631	6
Direction signal indicator	2-194	2
Dome	1-211	12
Dome reading lamp		
Reading	2-1004	15
Dome	1-211	12
End gate door indicator	1-194	2
Generator indicator	1-194	2
Glove compartment	1-1891	2
Headlamp hi-beam indicator	1-194	2
Headlamp		
Outer	2-4652	High beam 37.5W
Inner	2-4651	Low beam 40.0W
Heater or A/C controls	1-194	High beam 50.0W
Instrument cluster	8-168	2
	2-194	3
License plate, rear	1-194	2
Luggage compartment	1-1003	2
Oil pressure indicator	1-194	15
Parking		2
Park		
Turn	2-1157NA	2.2
Seat belt warning		24
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Radio dial RPO U63 and/or U69	2-194	2
Radio dial and indicator	1-1893	2
RPO U58	1-1893 (dial)	1-dial
Radio dial and indicator	1-DS410 (indicator)	Led (a)
RPO UM1 and/or UM2	1-1893 (dial)	2
Tail, stop and turn	1-DS410 (indicator)	Led (a)
Temperature indicator	1157*	Tail, 3; stop & turn, 32
Underhood	1-194	2
W/S washer & light switch indicator	1-93	15
	1-194	2

* -Station wagons 2; balance 4.

(a) Light emitting diode.

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
Ash tray lamp	25 amp fuse	Fuse panel (h)
Back-up lamps	5 amp fuse	Fuse panel (f)
Brake warning lamp	20 amp fuse	Fuse panel (b)
Choke pull-out solenoid	10 amp fuse	Fuse panel (c)
Cigarette lighter	10 amp fuse	Fuse panel (g)
Clock	20 amp fuse	Fuse panel (e)
Clock illumination	20 amp fuse	Fuse panel (e)
Courtesy lamps	5 amp fuse	Fuse panel (f)
Defroster rear window	20 amp fuse	Fuse panel (e)
Direction signal indicator lamps	10 amp fuse	Fuse panel (c)
Door lamp & reading lamp	20 amp fuse	Fuse panel (b)
Door open indicator	20 amp fuse	Fuse panel (e)
End gate ajar lamp	20 amp fuse	Fuse panel (d)
Fuel gauge	10 amp fuse	Fuse panel (c)
Generator indicator lamp	25 amp fuse	Fuse panel (h)
Glove compartment lamp	20 amp fuse	Fuse panel (e)
Headlamps	Circuit breaker	Light switch
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (h)
Heater control lamp	5 amp fuse	Fuse panel (f)
Instrument cluster lamps	5 amp fuse	Fuse panel (f)
Key buzzer	20 amp fuse	Fuse panel (e)
License plate lamp, rear	20 amp fuse	Fuse panel (d)
Luggage compartment lamp	20 amp fuse	Fuse panel (e)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (c)
Override - Head light buzzer	10 amp fuse	Fuse panel (C)
Park and turn lamps - front	20 amp fuse	Fuse panel (d)
Power heat valve solenoid	10 amp fuse	Fuse panel (g)
Power seat	30 amp CB	Fuse panel
Power tailgate window	30 amp CB	Fuse panel
Power tailgate window relay	20 amp fuse	Fuse panel (b)
Power windows	20 amp CB	Firewall
Radio	10 amp fuse	Fuse panel (g)
Radio lamp	5 amp fuse	Fuse panel (f)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Side marker lamp - front	20 amp fuse	Fuse panel (d)
Side marker lamp - rear	20 amp fuse	Fuse panel (d)
Speed cruise control	10 amp fuse	Fuse panel (c)
Stop and turn lamps	20 amp fuse	Fuse panel (a)
Tail lamps	20 amp fuse	Fuse panel (d)
Temperature indicator lamp	10 amp fuse	Fuse panel (c)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Underhood lamp	15 amp fuse	In line
Windshield wiper, two-speed	25 amp fuse	Fuse panel
Wiper system - pulse	10 amp fuse	Fuse panel (g)
Transmission downshift	10 amp fuse	Fuse panel (g)

*Letter suffix indicates same circuit

POWER TRAINS

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AXLE RATIOS*

ENGINE	TRANSMISSION	MODEL APPLICATION	ALL STATES			RING GEAR mm (in.)	I.W. CLASS Kg (lbs.)
			BASE	OPTION	WITH ALT. RPO NA6		
4.1 Litre L6 (250 Cu. In.) L22 Base - All States	3-Speed Automatic	Coupes & Sedans	2.73	-	-	216 (8.50)	1816 (4000)
5.0 Litre V8 (305 Cu. In.) LG3 Optional - All States (a)	3-Speed Automatic	Coupes & Sedans	2.41	-	-	191 (d) (7.50) (b)	1816 (4000)
		Station Wagons (c)	2.56	-	-	222 (8.75)	2043 (4500)
5.7 Litre V8 (350 Cu. In.) LM1 Optional	3-Speed Automatic	Coupes & Sedans	2.41	3.08	3.08	191 (d) (7.50) (b)	1816 (4000)
		Station Wagons	2.56	3.08	3.08	222 (8.75)	2043 (4500)

* - Positraction axles available optionally for all ratios; same ratios available with Air Conditioning.

- (a) - Base engine for Station Wagons - optional other models listed.
 (b) - 191 mm (7.50 in.) ring gear standard with 2.41 ratio rear axle; 216 mm (8.50 in.) optional.
 216 mm (8.50 in.) ring gear standard with 3.08 ratio rear axle.
 (c) - Not available in California or with Air Conditioning.
 (d) - Ring gear for limited slip axle is 216 mm.

MULTIPLICATION FACTORS

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
4.1 Litre L6 Base - L22 (All Models except Station Wagons)	3-Speed Automatic	Drive	13.76:1 - 2.73:1	2.73
		Second	13.76:1 - 4.15:1	
		Low	13.76:1 - 6.88:1	
		Reverse	10.60:1 - 5.30:1	
5.0 Litre V8 Optional - LG3 (All Models except Station Wagons)	3-Speed Automatic	Drive	12.15:1 - 2.41:1	2.41
		Second	12.15:1 - 3.66:1	
		Low	12.15:1 - 6.07:1	
	3-Speed Automatic	Reverse	9.35:1 - 4.68:1	
		Drive	15.52:1 - 2.41:1	
		Second	15.52:1 - 3.78:1	
5.7 Litre V8 Optional - LM1 (All models except Station Wagons)	3-Speed Automatic	Low	15.52:1 - 6.60:1	2.41
		Reverse	10.22:1 - 4.99:1	
		Drive	12.15:1 - 2.41:1	
		Second	12.15:1 - 3.78:1	
	3-Speed Automatic	Low	12.15:1 - 6.07:1	
		Reverse	9.35:1 - 4.68:1	
		Drive	15.52:1 - 2.41:1	
		Second	15.52:1 - 3.78:1	
5.0 Litre V8 Base - LG3 (Station Wagons only)	3-Speed Automatic	Low	15.52:1 - 6.60:1	2.56
		Reverse	10.22:1 - 4.99:1	
		Drive	12.90:1 - 2.56:1	
	3-Speed Automatic	Second	12.90:1 - 3.89:1	
		Low	12.90:1 - 6.45:1	
		Reverse	9.93:1 - 4.97:1	
5.7 Litre V8 Optional - LM1 (Station Wagons only)	3-Speed Automatic	Drive	12.90:1 - 2.56:1	2.56
		Second	12.90:1 - 3.89:1	
		Low	12.09:1 - 6.45:1	
		Reverse	9.93:1 - 4.97:1	

GENERAL DATA

Engine Type		L6-OHV	V8-OHV
Piston Displacement	Litres	4.1	5.0
	Cubic Inches	250	305
Availability		Std. (L22)	RPO LG3
Number of Cylinders		Six	Eight
Bore and Stroke	Millimetres	98.42 x 89.66	94.89 x 88.4
	Inches	3.875 x 3.53	3.736 x 3.48
Compression Ratio		8.1:1	8.4:1
Taxable (SAE)	Kilowatts	26.9	33.3
	Horsepower	36.0	44.7
Firing Order		1-5-3-6-2-4	1-8-4-3-6-5-7-2
Idling Speed	Automatic (In Drive)	550	500
Compression Press. @	Kilopascals	896	1103
Cranking Speed, Engine Hot	Pounds/Sq. In.	130	160
Power Plant Mounting		Two front and one rear	
Measurements	Length (b)	908.8	801.4
		Inches	35.78
	Height (c)	691.4	751.8
		Inches	27.22
Width (d)	Millimetres	451.1	724.7
	Inches	17.76	28.53

ADVERTISED ENGINE RATING

Engine Designation		4.1 Litre - L6 (250 Cu. In.)	5.0 Litre - V8† (305 Cu. In.)	5.7 Litre - V8 (350 Cu. In.)
Availability		Std. - L22	RPO LG3	RPO LM1
Carburetor		Single Bbl.	Two Bbl.	Four Bbl.
Net Brake - RPM	Federal	82 @ 3800	108 @ 3800	127 @ 3800
	California	110 @ 3800	145 @ 3800	170 @ 3800
		67 @ 3600	101 @ 3800	119 @ 3800
		90 @ 3600	135 @ 3800	160 @ 3800 (a)
Net Torque - RPM	Federal	258 @ 1600	332 @ 2400	366 @ 2400
	California	190 @ 1600	245 @ 2400	270 @ 2400
		237 @ 1600	325 @ 2400	352 @ 2400
		175 @ 1600	240 @ 2000	260 @ 2400 (a)

† - Base on Station Wagon models.

(a) Also Federal ratings above 4000 feet altitude.

(b) Fan clutch to rear of engine block.

(c) Top of air cleaner to bottom of oil pan.

(d) L6 engine-oil filter to exhaust manifold; V8 engine-across exhaust manifolds.

Model Availability	Coupes and Sedans	
Transmission	3-Speed Automatic	
Rear Axle Ratio	2.73:1	
Tire Size	FR78-15B	
Crankshaft Revolutions per Kilometre	Mile	1321.3
	Low	2126.7
	Second	34.5
	Third	89.3
	Reverse	20.8
	Millimetre/Kilometre	53.9
Piston Travel	Foot/Mile	13.7
		35.4
		26.5
		68.8
		771.3
		1251.2

5.0 LITRE V8 ENGINE (RPO LG3)

Model Availability	Coupes and Sedans		Station Wagons
Transmission	3-Speed Automatic		
Rear Axle Ratio	2.41:1		2.56:1
Tire Size	FR78-15B		HR78-15B
Crankshaft Revolutions per Kilometre	Mile	1166.4	1182.7
	Low	1877.4	1904.6
	Second	30.5	30.7
	Third	78.9	79.9
	Reverse	18.4	18.5
	Millimetre/Kilometre	47.6	48.2
Piston Travel	Foot/Mile	12.1	12.2
		31.3	31.7
		23.5	23.7
		60.7	61.5
		676.6	686.0
		1088.9	1104.7

5.7 LITRE V8 ENGINE (RPO LM1)

Model Availability	Coupes and Sedans		Station Wagons
Transmission	3-Speed Automatic		
Rear Axle Ratio	2.41		2.56
Tire Size	FR78-15B		HR78-15B
Crankshaft Revolutions per Kilometre	Mile	1166.4	1182.7
	Low	1877.4	1904.6
	Second	30.5	30.7
	Third	78.9	79.9
	Reverse	18.4	18.5
	Millimetre/Kilometre	47.6	48.2
Piston Travel	Foot/Mile	12.1	12.2
		31.3	31.7
		23.5	23.7
		60.7	61.5
		676.6	686.0
		1088.9	1104.7

ENGINE	4.1 LITRE 250 CU. IN. 110 HP 82 kW	5.0 LITRE 305 CU. IN. 145 HP 108 kW	5.7 LITRE 350 CU. IN. 170 HP 127 kW
MODEL	1BL69	1BN69	1BN69

3-SPEED AUTOMATIC TRANSMISSION

Performance	Mass-Kilograms Weight-Pounds	1914 4220	1988 4383	1992 4392
Kilograms per Net Kilowatt	Federal California	23.34 28.57	18.41 19.68	15.69 16.74
Pounds per Net Horsepower	Federal California	38.36 46.89	30.22 32.47	25.83 27.45
Kilograms per Litre Displacement		466.8	399.6	349.5
Pounds per Cu. In. Displacement		16.88	14.37	12.55
Net kW/Litre Displacement	Federal California	20.0 16.34	21.6 20.2	25.4 20.9
Net HP/Cu. In. Displacement	Federal California	.440 .360	.475 .443	.486 .457
Power Displacement	Litre/kilometre Cu.Ft./mile	95.71 153.84	103.0 165.7	119.1 192.9
Displacement Factor	Litre/tonne kilometre Cu.Ft./ton mile	45.36 72.91	47.01 75.61	54.24 87.84

GLOSSARY

(English equivalent is bracketed)

Performance Weight (Mass)	Curb Weight (Mass) plus average weight of four passengers – 272.2 kg (600 lbs.)
Power Displacement	$\frac{\text{Crankshaft Revs/km (Revs/Mi)} \times \text{Piston Displacement}}{2 \times 28.3 \text{ Cu. Litres (2 x 1728 cu. in.)}}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Weight (tons) Mass (tonne)}}$

CYLINDER BLOCK

Material Cast alloy iron
Bore Diameter

Engine	Millimetres	Inches
4.1 Litre L6	98.4123-98.4885	3.8745-3.8775
5.0 Litre V8	94.8817-94.9579	3.7355-3.7385
5.7 Litre V8	101.5873-101.6635	3.9995-4.0025

Bore Spacing (C/L to C/L) ... 111.76 mm (4.4 in.)

Bearing Caps (Number, material and attachment)

4.1 Litre L6 7, cast iron, 2-bolt

5.0 & 5.7 Litre V8 5, cast iron, 2-bolt

Water Jacket Full length around each cylinder

CYLINDER HEAD

Material High chrome cast alloy iron
Bolts, Number

4.1 Litre L6 14

5.0 & 5.7 Litre V8 34

Bolt, Dia.

4.1 Litre L6 12.7 mm (.50 in.)

5.0 & 5.7 Litre V8 11.112 mm (.4375 in.)

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)

Engine	Litres	Cu. In.
4.1 Litre L6	0.095	5.77
5.0 Litre V8	0.084	5.13
5.7 Litre V8	0.103	6.27

INLET MANIFOLD

Material

Model 1BN69 w/5.7 Litre V8 Aluminum

Remainder Cast iron

Type

4.1 Litre L6 Integral with cylinder head

5.0 & 5.7 Litre V8 8 port, double deck

EXHAUST MANIFOLD

Material

..... Cast alloy iron

Type

4.1 Litre L6 4 port, underslung, center downtake

5.0 & 5.7 Litre V8 . Dual, 4 port, rear downtake

Outlet Diameter

4.1 Litre L6 57.1 mm (2.25 in.)

5.0 & 5.7 Litre V8 50.8 mm (2.0 in.)

CRANKSHAFT

Material Cast nodular iron

End Play

4.1 Litre L6 0.05-0.15 mm (.002-.006 in.)

5.0 & 5.7 Litre V8 0.05-0.18 mm (.002-.007 in.)

Counterweights

4.1 Litre L6 12

5.0 & 5.7 Litre V8 6

Crank Arm Length

4.1 Litre L6 44.83 mm (1.765 in.)

5.0 & 5.7 Litre V8 44.20 mm (1.74 in.)

Torsional Damper Rubber mounted inertia

Timing Gear

4.1 Litre L6 Cast iron

5.0 & 5.7 Litre V8 Sintered iron

MAIN BEARINGS

Material Steel backed insert;
(copper lead alloy or premium aluminum
lining selected for specific engine application)

Type Precision removable

Thrust Against Bearing

4.1 Litre L6 Number 7

5.0 & 5.7 Litre V8 Number 5

Clearance

4.1 Litre L6 . 0.007-0.074 mm (.0003-.0029 in.)

5.0 & 5.7 Litre V8

No. 1 ... 0.020-0.051 mm (.0008-.0020 in.)

No. 2-4 . 0.028-0.058 mm (.0011-.0023 in.)

No. 5 ... 0.043-0.084 mm (.0017-.0033 in.)

4.1 Litre L6	Theoretical Inner Dia.	Effective Length	Projected Area
No. 1-6			

Millimetres	58.417	19.10	43.929 cm ²
Inches	2.2999	.752	1.7295 in. ²

No. 7

Millimetres	58.417	19.30	44.397 cm ²
Inches	2.2999	.760	1.7479 in. ²

5.0 & 5.7 Litre V8

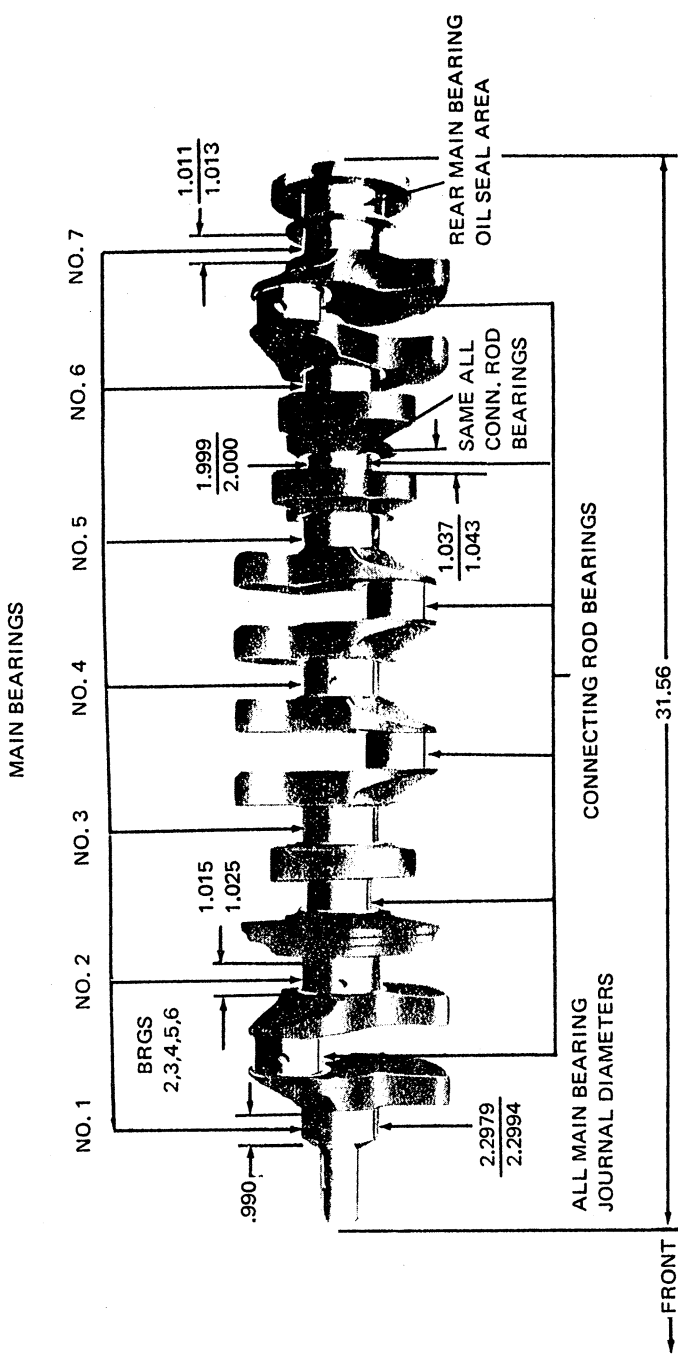
No. 1-4

Millimetres	62.235	19.10	46.799 cm ²
Inches	2.4502	.752	1.8425 in. ²

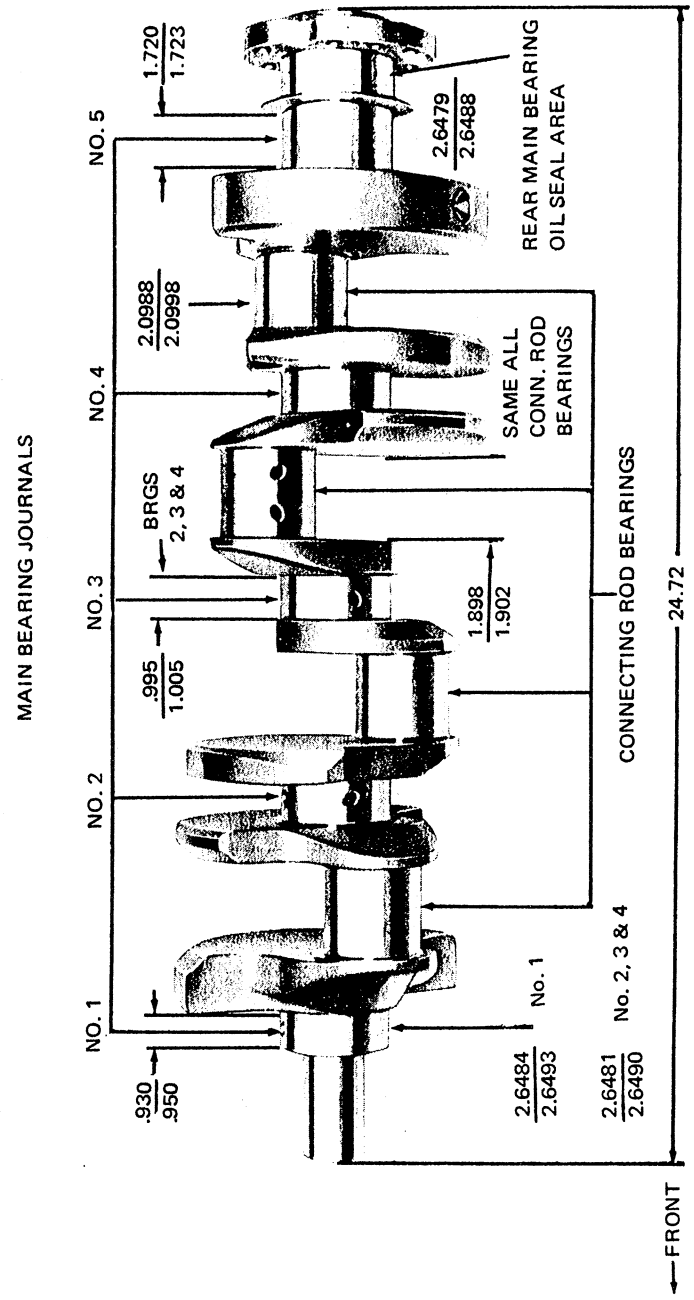
No. 5

Millimetres	62.250	29.97	73.454 cm ²
Inches	2.4508	1.180	2.8919 in. ²

250 CUBIC INCH SIX CYLINDER ENGINE



V8-305 & 350 CUBIC INCH V-8 ENGINES

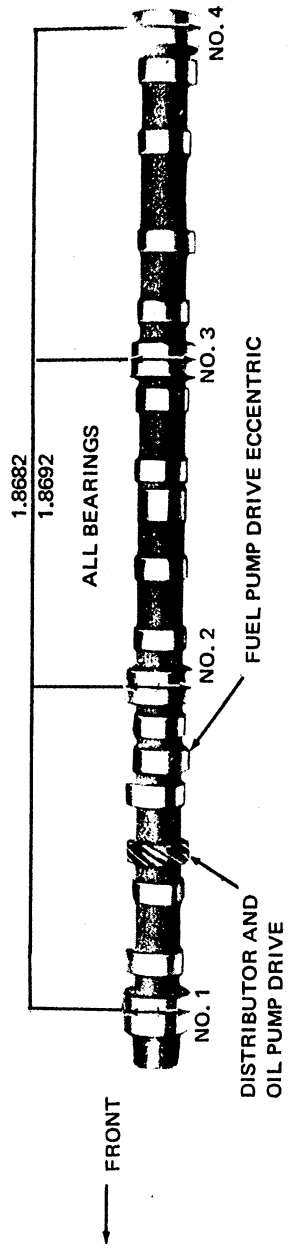


Drive	4.1 Litre L6	.....	Gear; aluminum alloy
Lobe Lift	5.0 & 5.7 Litre V8	.....	Sprocket and chain, aluminum
4.1 Litre L6	Millimetres	5.631	5.880
	Inches	.2217	.2315
5.0 Litre V8	Millimetres	6.309	6.774
	Inches	.2484	.2667
5.7 Litre V8	Millimetres	6.604	6.942
	Inches	.2600	.2733
Camshaft Bearings Steel backed babbit			
VALVE TRAIN			
Type	Individually mounted, overhead rocker arms, push rod actuated		
Rocker Arms	 Stamped steel		
Ratio	.....		
4.1 Litre L6	1.75:1		
5.0 & 5.7 Litre V8	1.50:1		
Push Rods	.....		
Material	Welded steel tubing		
Diameter	7.937 mm (.3125 in.)		
Length	.....		
4.1 Litre L6	244.14 mm (9.612 in.)		
5.0 & 5.7 Litre V8	196.19 mm (7.724 in.)		
Rotators	.....		
5.0 & 5.7 Litre V8	Exhaust		

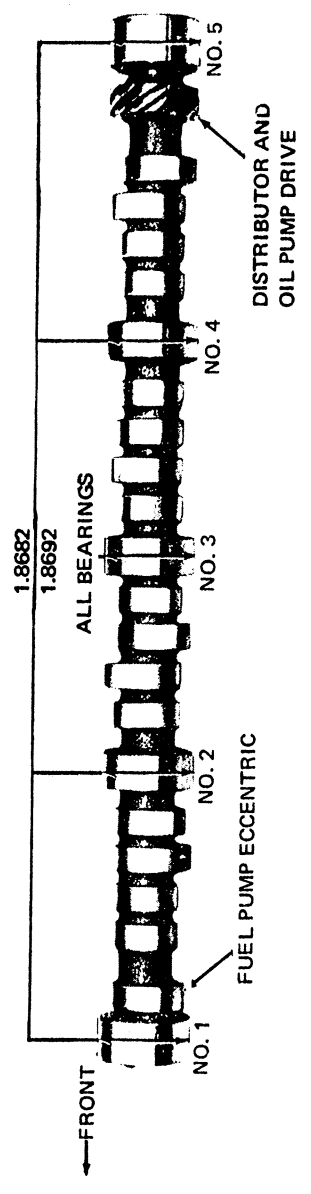
Diameter	4.1 Litre L6	.....	22.15-22.35 mm (.872-.880 in.)
Installed Length	5.0 & 5.7 Litre V8	.....	22.05-22.45 mm (.868-.884 in.)
Valves closed	N @ mm	Lb. @ in.	
	4.1 Litre L6	.....	
5.0 & 5.7 Litre V8	346.944-382.528 @ 42.2	78-86 @ 1.66	
	Inlet	341.088-376.992 @ 43.2	
Valves opened	Exhaust	341.088-376.992 @ 41.0	
	4.1 Litre L6	756.16-800.64 @ 32.0	
5.0 & 5.7 Litre V8	Inlet	773.9-827.3 @ 31.7	
	Exhaust	818.4-871.8 @ 29.5	
Free Length	4.1 Litre L6	.....	
	5.0 & 5.7 Litre V8	.....	
Valve Spring Damper	4.1 Litre L6	.....	
	5.0 & 5.7 Litre V8	.....	
None	4.1 Litre L6	.....	
	5.0 & 5.7 Litre V8	.....	
Flat steel, 4 coils	4.1 Litre L6	.....	
	5.0 & 5.7 Litre V8	.....	

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE

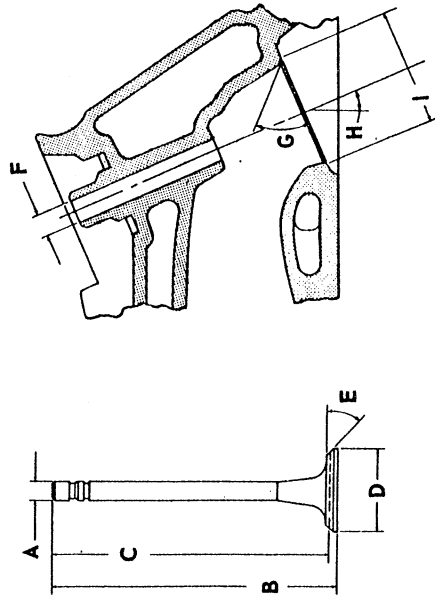


V8-305 & 350 CUBIC INCH V-8 ENGINES



INLET VALVES

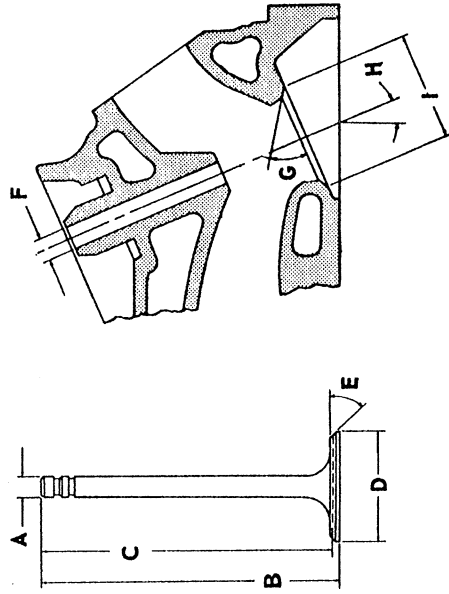
Material	Alloy steel
Coating	
4.1 Litre L6 & 5.0 Litre V8	Aluminized face
5.7 Litre V8	None
All stems	Chrome flash



A - Stem Diameter	
4.1 Litre L6	8.661-8.679 mm (.3410-.3417 in.)
5.0 & 5.7 Litre V8	8.661-8.679 mm (.3410-.3417 in.)
B - Overall Length	
4.1 Litre L6	124.51-125.02 mm (4.902-4.922 in.)
5.0 Litre V8	124.51-125.02 mm (4.902-4.922 in.)
5.7 Litre V8	123.70-124.18 mm (4.870-4.899 in.)
C - Gage Length	
4.1 Litre L6	121.54-121.79 mm (4.785-4.795 in.)
5.0 & 5.7 Litre V8	121.54-121.79 mm (4.785-4.795 in.)
D - Overall Head Diameter	
4.1 Litre L6	43.56-43.81 mm (1.715-1.725 in.)
5.0 Litre V8	43.56-43.81 mm (1.715-1.725 in.)
5.7 Litre V8	49.15-49.28 mm (1.935-1.945 in.)
E - Angle of Face	45°
F - Guide Diameter	
4.1 Litre L6	8.704-8.730 mm (.3427-.3437 in.)
5.0 & 5.7 Litre V8	8.704-8.730 mm (.3427-.3437 in.)
G - Angle of Seat	46°
H - Valve Angle	
4.1 Litre L6	9°
5.0 & 5.7 Litre V8	23°
I - Valve Seat (cutter) Diameter	
4.1 Litre L6	40.41-40.56 mm (1.591-1.597 in.)
5.0 & 5.7 Litre V8	46.30-46.46 mm (1.823-1.829 in.)

EXHAUST VALVES

Material	High alloy steel
Coating	
4.1 Litre L6	Aluminized face
5.0 & 5.7 Litre V8	Aluminized face
All stems	Chrome flash



A - Stem Diameter	
4.1 Litre L6	8.661-8.679 mm (.3410-.3417 in.)
5.0 & 5.7 Litre V8	8.661-8.679 mm (.3410-.3417 in.)
B - Overall Length	
4.1 Litre L6	124.79-125.30 mm (4.913-4.933 in.)
5.0 & 5.7 Litre V8	124.71-125.22 mm (4.910-4.930 in.)
C - Gage Length	
4.1 Litre L6	119.63-121.69 mm (4.781-4.791 in.)
5.0 & 5.7 Litre V8	119.63-121.69 mm (4.781-4.791 in.)
D - Overall Head Diameter	
4.1 Litre L6	37.91-38.23 mm (1.495-1.505 in.)
5.0 & 5.7 Litre V8	37.91-38.23 mm (1.495-1.505 in.)
E - Angle of Face	45°
F - Guide Diameter	
4.1 Litre L6	8.704-8.730 mm (.3427-.3437 in.)
5.0 & 5.7 Litre V8	8.704-8.730 mm (.3427-.3437 in.)
G - Angle of Seat	46°
H - Valve Angle	
4.1 Litre L6	9°
5.0 & 5.7 Litre V8	23°
I - Valve Seat (cutter) Diameter	
4.1 Litre L6	33.55-33.71 mm (1.321-1.327 in.)
5.0 & 5.7 Litre V8	33.55-33.71 mm (1.321-1.327 in.)

VALVE LIFT

4.1 Litre L6	
Inlet	9.855 mm (.3880 in.)
Exhaust	10.289 mm (.4051 in.)
5.0 Litre V8	
Inlet	9.467 mm (.3727 in.)
Exhaust	10.414 mm (.4100 in.)
5.7 Litre V8	
Inlet	9.906 mm (.3900 in.)
Exhaust	10.414 mm (.4100 in.)

VALVE TIMING (Crankshaft Degrees-Excluding Ramps)

4.1 Litre L6	
Inlet Valve	
Opens - BTC	16°
Closes - ABC	48°
Duration	244°
Exhaust Valve	
Opens - BBC	64°
Closes - ATC	50°
Duration	294°
5.0 Litre V8	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	64°
Duration	272°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°
5.7 Litre V8	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	72°
Duration	280°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°

PISTONS

Material	Cast aluminum alloy
Head Type	Sump
Skirt Type	Slipper
Top Land Clearance	
4.1 Litre L6	0.622-0.851 mm (.0245-.0335 in.)
5.0 Litre V8	0.622-0.851 mm (.0245-.0335 in.)
5.7 Litre V8	0.597-0.825 mm (.0235-.0325 in.)
Skirt Clearance	
4.1 Litre L6	0.013-0.038 mm (.0005-.0015 in.)
5.0 Litre V8	0.043-0.107 mm (.0017-.0042 in.)
5.7 Litre V8	0.018-0.043 mm (.0007-.0017 in.)
Compression Ring Groove Depth	
4.1 Litre L6	5.469-5.634 mm (.2153-.2218 in.)
5.0 Litre V8	5.088-5.265 mm (.2003-.2073 in.)
5.7 Litre V8	5.634-5.862 mm (.2218-.2308 in.)
Oil Ring Groove Depth	
4.1 Litre L6	5.316-5.481 mm (.2093-.2158 in.)
5.0 Litre V8	5.342-5.570 mm (.2103-.2193 in.)
5.7 Litre V8	5.176-5.342 mm (.2038-.2103 in.)
Pin Bore Offset	1.40-1.65 mm (.055-.065 in.)
Compression Height	
4.1 Litre L6	42.11-42.21 mm (1.658-1.662 in.)
5.0 & 5.7 Litre V8	39.57-39.67 mm (1.558-1.562 in.)

PISTON PINS

Material	Chromium steel
Length	
4.1 Litre L6	75.95-76.45 mm (2.990-3.010 in.)
5.0 & 5.7 Litre V8	75.95-76.45 mm (2.990-3.010 in.)
Diameter	
4.1 Litre L6	23.546-23.553 mm (.9270-.9273 in.)
5.0 & 5.7 Litre V8	23.546-23.553 mm (.9270-.9273 in.)
Clearance in Piston	
4.1 Litre L6	0.0038-0.0064 mm (.00015-.00025 in.)
5.0 & 5.7 Litre V8	0.0063-0.0089 mm (.00025-.00035 in.)

COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	
4.1 Litre L6	Barrel
5.0 & 5.7 Litre V8	Radius
Coating	
4.1 Litre L6	Wear resistant molybdenum inlay, graphite impregnated
5.0 & 5.7 Litre V8	Chrome flash
Width	
4.1 Litre L6	1.969-1.981 mm (.0775-.0780 in.)
5.0 Litre V8	1.956-1.981 mm (.0770-.0780 in.)
5.7 Litre V8	1.969-1.981 mm (.0775-.0780 in.)
Wall Thickness	
4.1 Litre L6	4.67-4.93 mm (.184-.194 in.)
5.0 Litre V8	4.24-4.49 mm (.167-.177 in.)
5.7 Litre V8	4.83-5.08 mm (.190-.200 in.)
Gap	0.25-0.51 mm (.010-.020 in.)

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	
4.1 Litre L6	Inside bevel
5.0 & 5.7 Litre V8	Reverse twist
Face	Tapered
Coating	Wear resistant
Width	
4.1 Litre L6	1.956-1.981 mm (.0770-.0780 in.)
5.0 & 5.7 Litre V8	1.956-1.968 mm (.0770-.0775 in.)
Wall Thickness	
4.1 Litre L6	4.67-4.93 mm (.184-.194 in.)
5.0 Litre V8	4.24-4.49 mm (.167-.177 in.)
5.7 Litre V8	4.83-5.08 mm (.190-.200 in.)
Gap	
4.1 Litre L6	0.25-0.51 mm (.010-.020 in.)
5.0 Litre V8	0.25-0.63 mm (.010-.025 in.)
5.7 Litre V8	0.33-0.63 mm (.013-.025 in.)

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Rail Coating	Chrome plating
Width (assembled)	
4.1 Litre L6	4.699-4.750 mm (.1850-.1870 in.)
5.0 Litre V8	4.722-4.773 mm (.1859-.1879 in.)
5.7 Litre V8	4.659-4.750 mm (.1850-.1870 in.)
Wall Thickness	
4.1 Litre L6	3.86-4.01 mm (.152-.158 in.)
5.0 Litre V8	3.50-3.63 mm (.138-.143 in.)
5.7 Litre V8	3.81-3.96 mm (.150-.156 in.)
Gap	
4.1 Litre L6	0.38-1.40 mm (.015-.055 in.)
5.0 Litre V8	0.25-0.89 mm (.010-.035 in.)
5.7 Litre V8	0.38-1.40 mm (.015-.055 in.)

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
4.1 Litre L6	144.65-144.91 mm (5.695-5.705 in.)
5.0 & 5.7 Litre V8	144.65-144.91 mm (5.695-5.705 in.)

CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance	
4.1 Litre L6	0.018-0.069 mm (.0007-.0027 in.)
5.0 & 5.7 Litre V8	0.033-0.089 mm (.0013-.0035 in.)
Theoretical I.D.	
4.1 Litre L6	50.843 mm (2.0017 in.)
5.0 & 5.7 Litre V8	53.370 mm (2.1012 in.)
Effective Length	
4.1 Litre L6	20.50 mm (.807 in.)
5.0 & 5.7 Litre V8	20.24 mm (.797 in.)
End Play	
4.1 Litre L6	0.18-0.41 mm (.007-.016 in.)
5.0 & 5.7 Litre V8	0.15-0.41 mm (.006-.016 in.)

FUEL TANK

Capacity	
Sedans & Coupes	79.5 litres (21 gallon)
Station Wagons	83.3 litres (22 gallons)
Fuel Tank Location	Behind rear axle
Filler Location	
Sedans & Coupes	Behind hinged rear license plate
Station Wagons	Left rear quarter panel

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor Inlet	Paper

FUEL PUMP ASSEMBLY

Type	Mechanical, diaphragm
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
4.1 Litre L6	27.6-34.5 kPa (4.0-5.0 PSI)
5.0 & 5.7 Litre V8	51.7-62.1 kPa (7.5-9.0 PSI)

AIR CLEANER

Type	Cylindrical with air horn attached to ducted air inlet
Diameter	
4.1 Litre L6	320.5 mm (12.62 in.)
5.0 & 5.7 Litre V8	393.7 mm (15.5 in.)
Filter Element	Oil-wetted paper

CARBURETORS

Type	
4.1 Litre L6	1-barrel, Monojet
5.0 Litre V8	2-barrel
5.7 Litre V8	4-barrel
SAE Flange Size	1.50
Throttle Bore	
4.1 Litre L6	42.9 mm (1.69 in.)
5.0 Litre V8	42.9 mm (1.69 in.)
5.7 Litre V8	
Primary	35.0 mm (1.38 in.)
Secondary	57.2 mm (2.25 in.)
Secondary Throttle Actuation	By linkage
approximately when primary valves are opened halfway between closed and open.	
Venturi Diameter	
4.1 Litre L6	33.3 mm (1.31 in.)
5.0 Litre V8	30.2 mm (1.19 in.)
5.7 Litre V8	
Primary	30.9 mm (1.218 in.)
Secondary	Air valve

CHOKE

Type	Automatic
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TYPE

4.1 Litre L6	Single with single converter
5.0 & 5.7 Litre V8	Single with crossover pipes and converter

MUFFLERS

Type	One, reverse flow
Construction	Heads and body joined by rolled lock seam construction
Head	1.3716 mm (.054 in.) sheet metal, aluminumized
Shell	1.3716 mm (.054 in.) sheet metal, aluminumized
Wrap	2.286 mm (.090 in.) indented asbestos sheet
Cover	0.381 mm (.015 in.) sheet metal, aluminumized
Body	
Length	540 mm (21.26 in.)
Width (I.D.)	279.4 mm (11.0 in.)
Height (I.D.)	114.5 mm (4.51 in.)

EXHAUST CROSSOVER

Dimensions (O.D. & Wall Thickness)	
5.0 & 5.7 Litre V8	50.8 x 1.016 mm (2.00 x 0.040 in.)

EXHAUST PIPE TO CONVERTER

Dimensions (O.D.)	
4.1 Litre L6	
Federal	50.8 mm (2.0 in.)
California	57.15 mm (2.25 in.)
5.0 & 5.7 Litre V8	63.5 mm (2.50 in.)

EXHAUST PIPE—CONVERTER TO MUFFLER

Dimensions (O.D. & Wall Thickness)	
4.1 Litre L6	57.15 x 1.73 mm (2.25 x 0.068 in.)
5.0 Litre V8	57.15 x 1.73 mm (2.25 x 0.068 in.)
5.7 Litre V8	63.50 x 1.73 mm (2.50 x 0.068 in.)

EXHAUST PIPE—MUFFLER TO RESONATOR

5.0 & 5.7 Litre V8	57.15 x 1.70 mm (2.25 x 0.68 in.)
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RESONATORS (5.7 Litre V8, Sedans with 3.08 axle)

Type	Bottle type
Inner Tube	0.91 mm (.036 in.) sheet steel
Outer Tube	1.37 mm (.054 in.) sheet steel

TAIL PIPES

Dimensions (O.D. & Wall Thickness)	
4.1 Litre L6	50.8 x 1.40 mm (2.0 x 0.55 in.)
5.0 Litre V8	50.8 x 1.40 mm (2.0 x 0.55 in.)
5.7 Litre V8	
Sedans & Coupes	57.15 x 1.80 mm (2.25 x 0.71 in.)
Station Wagons	57.15 x 1.40 mm (2.25 x 0.55 in.)

System Type	Engine Application		
	4.1 Litre L22	5.0 Litre LG3	5.7 Litre LM1
PCV - Positive Crankcase Ventilation	***	***	***
EGR - Exhaust Gas Recirculation	***	***	***
CHA - Carburetor Hot Air	***	***	***
MMC - Monolith Manifold Converter	**	-	-
FEC - Fuel Evaporation Control System	***	***	***
CCS - Controlled Combustion System	*	*	*
UFC - Underfloor Converter	***	***	***
EFE - Early Fuel Evaporation	***	***	***
MAI - Manifold Air Injection	**	**	**

* - Not available in California.
** - Available in California only.
*** - Available - all states.

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

Withdraws oil and gas vapors from the various cavities throughout the engine for burning in all combustion cycle.

EXHAUST GAS RECIRCULATION

Meters exhaust gas into induction system for recirculation through the combustion cycle to reduce oxides of nitrogen emissions.

CARBURETOR HOT AIR

Meters and mixes heated air with incoming cold air to optimize fuel vaporization.

MONOLITH MANIFOLD CONVERTER

The flow of exhaust gases down through the catalyst, within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to the manifold to more completely burn carbon monoxide and hydrocarbon emissions.

FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapors to the atmosphere by means of an integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank and carburetor float bowl to storage, and finally, to the carburetor for utilization in running the engine.

CONTROLLED COMBUSTION SYSTEM

Increases combustion efficiency through leaner carburetor mixtures and revised distributor calibration. Special thermostatically controlled damper, in the air cleaner snorkel maintains warm air intake to carburetor.

UNDERFLOOR CONVERTER

The flow of exhaust gases down through the catalyst, within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

EARLY FUEL EVAPORATION

System is designed to produce a very short engine warm-up cycle to improve vehicle driveability and reduce exhaust emission.

GENERAL

Type Controlled full pressure
Main Bearings Pressure
Connecting Rods Pressure
Piston Pins Splash
Cylinder Walls
4.1 Litre L6 . . Main and conn. rod bearing throw-off
5.0 & 5.7 Litre V8 Pressure, jet cross sprayed
Camshaft Bearings Pressure
Valve Lifters Pressure
Rocker Arms Pressure
Timing Gears
4.1 Litre L6 Nozzle sprayed
5.0 & 5.7 Litre V8 Centrifugally oiled from
camshaft bearing

Oil Pressure Sending Unit

Type Electric
Actuation Opens or closes circuit @ 13.79 to
41.37 kPa (2 to 6 PSI)

Oil Filler

Cap Positive seal
Location
4.1 Litre L6 Forward end of rocker cover
5.0 & 5.7 Litre V8 Rearward on left
rocker cover

OIL PAN CAPACITIES

Refill 3.78 litres (4.0 quarts)
Refill with Filter Change 4.26 litres (4.5 qts.)

LUBRICANT GRADES AND TEMPERATURES

-6.6°C & Above (20°F & Above) 20W-20, 10W-30,
10W-40, 20W40, 20W50
-17.7°C to + 15.5°C (0° to 60°F) 10W, 5W-30,
10W-30, 10W-40
-6.6°C & Below (20°F & Below) 5W-20, 10W-30

OIL PUMP

Type Gear
Regulator Valve Opens between
275.8-310.3 kPa (40-45 PSI)
Oil Pressure
4.1 Litre L6 160-182 kPa (36-41 PSI) @
2000 RPM
5.0 & 5.7 Litre V8 142-178 kPa (32-40 PSI) @
2000 RPM
Intake Type Stationary
Capacity 16.28 litres per minute (4.3 GPM) @
2000 engine RPM

OIL FILTER

Type Full flow, throw away canister
Location
4.1 Litre L6 Right front of engine
5.0 & 5.7 Litre V8 Left rear side of engine
Capacity 0.47 litres (1.0 pint)
Bypass Valve Opens between 62.05-75.73 kPa
(9-11 PSI) drop in pressure

OIL DIPSTICK—LOCATION

4.1 Litre L6 Right side rear of engine block
5.0 & 5.7 Litre V8 Left side, rear of engine block

OIL PAN DRAIN PLUG

Type Hex head
Location
4.1 Litre L6 Front lower side of oil pan sump
5.0 & 5.7 Litre V8 Left lower face of oil pan sump
Size of Hex Head 21.84-22.22 mm (.860-.875)
Thread 1/2-20 UNF 2A
Length 20.6 mm (0.81 in.)
Diameter 10.41-10.92 mm (.410-.430 in.)

GENERAL

Type Pressure, vented through coolant recovery system

Capacity with Heater

4.1 Litre L6 13.5 litres (14.24 qts.)

5.0 & 5.7 Litre V8 15.7 litres (16.60 qts.)

RADIATOR

Make and Type . Harrison, crossflow, tube and center

Core Constant and Thickness

Distance between fins

4.1 Litre L6 5.6 mm (.22 in.)

5.0 Litre V8

Coupe & Sedan 6.3 mm (.25 in.)

Station Wagon 5.6 mm (.22 in.)

5.7 Litre V8 5.1 mm (.20 in.)

Core Thickness 31.5 mm (1.24 in.)

Frontal Area 3096 cm² (480 sq. in.)

Overflow Separate coolant bottle

RADIATOR, HEAVY DUTY (RPO V01)

Core Constant and Thickness

Distance between fins

4.1 Litre L6 & 5.0 Litre V8 3.5 mm (.14 in.)

5.7 Litre V8 4.1 mm (.16 in.)

Distance between tubes 14.0 mm (.55 in.)

Core thickness

4.1 Litre L6 & 5.0 Litre V8 31.5 mm (1.24)

5.7 Litre V8 49.8 mm (1.96 in.)

Frontal Area 3096 cm² (480 sq. in.)

Overflow Separate coolant bottle

RADIATOR CAP RELIEF VALVE

Opens at 103.4 kPa (15 PSI)

THERMOSTAT

Type Pellet

Begins to open at 89-92°C (192-198°F)

Fully opened at 108°C (227°F)

RADIATOR HOSE (I.D.)

Outlet, Lower
(radiator to water pump) 44.4 mm (1.75 in.)

Inlet, Upper
(thermostat hsg. to radiator) 38.1 mm (1.50 in.)

FAN

Number of Blades 4, staggered

Diameter

4.1 Litre L6 447.5 mm (17.62 in.)

5.0 & 5.7 Litre V8 482.6 mm (19.0 in.)

Fan Pulley Pitch Dia. 177.8 mm (7.0 in.)

BELT - CRANKSHAFT, FAN & GENERATOR

Number Used One

Angle of 'V' 34-38°

Pitch Line

4.1 Litre L6 965 mm (38.0 in.)

5.0 & 5.7 Litre V8

All states except California . 1130 mm (44.5 in.)

In California 1194 mm (47.0 in.)

Width

4.1 Litre L6 11.18 mm (.440 in.)

5.0 & 5.7 Litre V8 9.65 mm (.380 in.)

WATER PUMP

Type Centrifugal

Capacity @ 2000 engine RPM

4.1 Litre L6 79.5 litres (21 GPM)

5.0 & 5.7 Litre V8 85.9 litres (22.7 GPM)

Bearing Permanently lubricated double row ball

Drive Fan belt

Ratio (fan to crankshaft RPM)

4.1 Litre L6 1.165:1

5.0 & 5.7 Litre V8949:1

DRAIN LOCATIONS

Engine Block-Plug

4.1 Litre L6 Left side rear

5.0 & 5.7 Litre V8 Right and left center

Radiator - Petcock

All Lower left rear face

SUPPLY SYSTEM	
BATTERY	
Voltage Rating and Watts	
4.1 Litre L6	12-2500
5.0 & 5.7 Litre V8	12-3200
Number of Cells	6
Cold Cranking Rating	
4.1 Litre L6	-18°C (0°F) @ 350 amps; -29°C (-20°F) @ 210 amps; 60 minute reserve capacity
5.0 & 5.7 Litre V8	-18°C (0°F) @ 350 amps; -29°C (-20°F) @ 27 amps; 80 minute reserve capacity
Heavy Duty (RPO UA1)	-18°C @ 465 amps; -19°C @ 375 amps; 125 minutes reserve @ 37°C
Terminal Grounded	Negative
Location	Right side front of engine compartment
ALTERNATOR	
Type	Diode rectified
Rating	
Amps	37
Volts	12
Drive	By fan belt
Pulley Pitch Diameter	61.7 mm (2.43 in.)
Ratio (Gen. to engine RPM)	2.73:1
REGULATOR	
Type	Micro circuit unit; integral with alternator
Voltage	13.8-14.8 @ 29.4°C (85°F)
IGNITION SYSTEM	
Type	High Energy Ignition (H.E.I.)
Distributors	Refer to chart below
COIL	
Type	Integral with distributor
SPARK PLUGS	
Type	
4.1 Litre L6	R46TS
5.0 & 5.7 Litre V8	R45TS
Thread Size	14 mm (0.55 in.)
Gap	
4.1 Litre L6	0.89 mm (.035 in.)
5.0 & 5.7 Litre V8	1.14 mm (.045 in.)
Torque	33.9 N-m (25 lb. ft.)
CABLE	
	Fiberglass core impregnated with electrical conducting material and insulation of rubber with neoprene jacket.
STARTING SYSTEM	
STARTING MOTOR	
Rotation (Drive End View)	Clockwise
Test Conditions	Engine at operating temp.
No load test	
Amps	
4.1 Litre L6	49-87
5.0 & 5.7 Litre V8	70-99
Volts	10.6
RPM	
4.1 Litre L6	6200-10700
5.0 & 5.7 Litre V8	7800-12000
Motor Drive	
Engagement	Solenoid
Pinion Tooth No.	9
Flywheel Tooth No.	
4.1 Litre L6	153
5.0 & 5.7 Litre V8	168

DISTRIBUTORS	4.1 Litre L6 RPO L22	5.0 Litre V8 RPO LG3	5.7 Litre RPO LM1
Model	1110715	1103282	1103353
Type	High Energy Ignition		
Centrifugal Advance begins @ RPM	0 @ 1000	0 @ 1000	0 @ 1100
Max. degrees @ RPM	20 @ 4200	20 @ 3800	22 @ 4600
Vacuum advance begins @ kPa (In. Hg.)	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3
Max. degrees @ kPa (In. Hg.)	24 @ 50.7 24 @ 15	20 @ 33.8 20 @ 10	20 @ 33.8 20 @ 10
Timing (initial design setting) Crankshaft deg. @ RPM with vacuum line disconnected	10° @ 550/D	6° @ 500/D (6° @ 500/D)	6° @ 500/D
Timing Mark Location	Torsional damper		
			8° @ 500/D

NOTE: Items bracketed () are specific to California.

Application	Type	Sedans, Coupes & Station Wagons	Sedans & Coupes
General Data	Selector Lever	Location Operation Quadrant pattern	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse
	Parking Lock	Type Operation	Steering column P-R-N-D-L2-L1 Locking pawl
	Method of cooling		Applied by selector lever through manual linkage
	Flywheel assembly		Water
	Oil pressure pump		Steel stamping with welded on ring gear
Hydraulic System	Type		Supplies hydraulic pressure from an engine driven gear type pump
	Valves	Manual Pressure regulator Shift (1-2) Shift (2-3)	Steel spool valve Establishes range of transmission operation Provides main line pressure Controls oil pressure for transmission shift from 1-2 or 2-1 Controls oil pressure for transmission shift from 2-3 or 3-2
	Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission
	Accumulator		Provides greater flexibility in stalling desired shift quality for various engine requirements
	Pressure @ Idle (a)	Drive L2 L1 Reverse	60 55 87 80 87 80 91 84
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing
	Turbine (Driven member)		Steel axial flow blades assembled between inner and outer steel shells
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch
	Stall ratio		2.00 2.35
	Stall speed (RPM)		2110
Planetary Gear Set	Diameter (nominal)		298.4 mm (11.75 in.)
	Reaction carrier assembly		4 steel pinion gears
	Output carrier assembly		4 steel pinion gears
	Intermediate band		Circular steel with organic lining
	Range	D (Drive) L2 (Low two) L1 (Low one) R (Reverse)	2.52:1 - 1.52:1 - 1.00:1 2.74 - 1.57 - 1.00:1 2.52:1 - 1.52:1 2.74 - 1.57:1 2.52:1 2.74:1 1.93:1 2.07:1
Case	Servo Unit		Piston with release spring and inner cushion spring
	Material		Aluminum
	Type	Four, multiple disk	Three, multiple disk
	Material	Drive plates Driven plates	Steel with bonded organic facings Flat steel
	Forward clutch		5 each drive & driven plates
Clutches	Direct clutch		4 each drive & driven plates
	Intermediate clutch		3 each drive & driven plates
	Low & Reverse clutch		5 each drive & driven plates
	Release spring		4 each drive & driven plates
	Drive (maximum)		Radial row steel coil
Torque Multiplication	Low 2		5.04:1 to 1.00
	Low 1		6.44:1 - 1.57
	Reverse		6.44:1 - 2.74
	Type		4.86:1 - 2.07
	Operation		Cross-axis centrifugal
Governor			Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves
	Type		Dexron II
	Capacity		9.5 litres (20 pints)
	Refill		3.8 litres (8 pints)
			9.5 litres (20 pints)

(a) 600 RPM input

